



THE VIRGINIA RECORD MAGAZINE

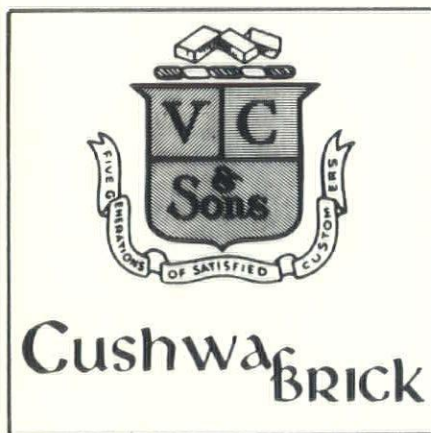
NOVEMBER

1975

TWENTY-THIRD ANNUAL ARCHITECTURAL ARTS EDITION

WE ARE NOT NEW IN RICHMOND.

Southern Brick
**HAS SERVED BUILDERS FROM
THE SAME LOCATION 29 YEARS.**



**Exclusive dealers for Cushwa Colonial Brick...
makers of fine brick for 103 years.**

For five generations the name "Cushwa" Colonial brick has been synonymous with Colonial America and its rich heritage.

Cushwa is the largest producer of moulded brick shapes in the nation. The highest quality machine and handmade face brick turned out by the Cushwa plant are almost identical to those found in existent colonial structures. For special projects, such as restoration of buildings at Williamsburg, or repair of historic sites in any of the original Thirteen Colonies, the Cushwa firm welcomes the challenge to exactly duplicate the size, shade, and even the "aged" appearance of bricks several centuries old. Noted restoration projects handled by Cushwa include the Betsy Ross House and Independence Hall in Philadelphia, Pa.

Also exclusive dealers for:

ACME. Largest manufacturer of unusual and exotic face brick.

CAN-TEX Glazed Provincials

SANFORD. The finest quality and color in face brick.

MARION. Face brick and commercial velour.

Full line of color mortars by **FLAMINGO
BRIXMENT**

DUR-O-WAL Products
Masonry Reinforcing

Complete line of Drywall, Vinyl covered Sheetrock, Metal Studs, Trim and Accessories manufactured by:

**U.S. GYPSUM
NATIONAL GYPSUM
FLINTKOTE GYPSUM
KAISER GYPSUM** and wall systems

A fleet of brick unloading trucks and Boom trucks for gypsum handling.

For information call: 804/353-6681
"Heck" Rice: Home 994-2549 • Russell Craig:
270-4658 • George Moorman: 353-1395



SOUTHERN BRICK & SUPPLY COMPANY, INC.

Dealers in Building Materials
P.O. Box 6797 • 1900 Roseneath Road • Richmond, Virginia 23230 • 804/353-6681

JOIN THE 5 1/4% CLUB!!!



Our club is made up of people from all walks of life. It's a unique club... but not an exclusive one! All the members of this club have one thing in common: they want their savings to be secure while growing as fast as possible. That's why they've all joined the thousands of other savers at Franklin Federal Savings and Loan. Each has chosen a Savings Plan to meet his or her needs. These plans start at an annual instant interest rate with an effective yield of 5 1/4 %.

AT FRANKLIN FEDERAL, YOUR SAVINGS ARE INSURED
UP TO \$40,000 BY THE F.S.L.C.!

**FRANKLIN
FEDERAL**




SAVINGS & LOAN ASSOCIATION

7th & Broad Sts • Three Chopt & Patterson • Azalea Mall • Southside Plaza • Mechanicsville

CATLETT-JOHNSON CORPORATION

SPECIALISTS IN AIR CONDITIONING SINCE 1936

Refrigeration • Heating  Design and Installation

Air Conditioning • Plumbing • Sheet Metal

5711 GREENDALE ROAD

P. O. BOX 9768

TELEPHONE 262-6561

RICHMOND, VIRGINIA 23228

DEDICATED TO BUILDING BETTER HIGHWAYS IN VIRGINIA

SAM FINLEY, INC.

Contractors

All Types of Asphalt Paving

Virginia State Registration No. 896

Phone (703) 471-4400
CHANTILLY, VA. 22021

also

ATLANTA, GEORGIA 30309

Break a **LEXAN**[®] Window? . . . Never!

POLYCARBONATE SHEET

Clear as glass, tough as metal, LEXAN glazing just won't break. It shrugs off rocks, bricks, baseballs, golf balls and air gun pellets. And LEXAN won't crack, chip or shatter even if penetrated by a bullet.

In short, nothing you can see through is tougher. (It's 250 times tougher than safety glass, for instance.) Which is why we call LEXAN the do-it-once glazing!

If you're concerned about rising replacement costs and providing real protection to your pupils, staff and property, install LEXAN glazing. It's easy to handle, easy to cut and easy to install.

Write for our new LEXAN glazing brochure. It has all the details.



ALABAMA: Birmingham. ARKANSAS: Jacksonville, Little Rock. GEORGIA: Atlanta, Macon. LOUISIANA: Monroe, New Orleans, Shreveport. MISSISSIPPI: Greenwood, Hattiesburg, Jackson, Meridian. NORTH CAROLINA: Charlotte, Fayetteville, Greensboro, Rock Mount. SOUTH CAROLINA: Columbia, Florence, Greenville, Myrtle Beach. TENNESSEE: Chattanooga, Clarksville, Memphis, Nashville. TEXAS: Abilene, Arlington, Austin, Baytown, Beaumont, Bedford, Conroe, Dallas, Fort Worth, Galveston, Houston, Pasadena, Port Arthur, Richardson, Seabrook, Sherman, Waco, Wichita Falls. VIRGINIA: Newport News, Norfolk, Petersburg, Richmond, Virginia Beach.



Published Monthly at the State Capital
By Virginia Publishers Wing, Inc.

EDITORIAL OFFICES: 301 EAST FRANKLIN STREET

Phones: 644-2722 or 644-6717

Vol. 97—No. 11

November 1975

CLIFFORD DOWDEY, *Editor*

JOE H. YOUNG
Executive Editor

ANITA R. BRENNAN
Associate Editor

Architectural Content Edited by

FREDERICK E. BAUKHAGES IV
Chairman

J. EVERETTE FAUBER III
M. JACK RINEHART, JR.
of the

PUBLIC RELATIONS COMMITTEE
VIRGINIA CHAPTER, AIA

W. T. MILLIS
Advertising Director

VIRGINIA RECORD is an independent publication cooperating with all organizations that have for their objectives the welfare and development of Virginia. While this publication carries authoritative articles and features on statewide and local industries, business, governmental and civic organizations, they are in no other respect responsible for the contents hereof.

Subscriptions

1 Year \$5—2 Years \$8.50

3 Years \$12

Per Copy \$1.00

Address All Mail to:

VIRGINIA RECORD

P. O. Drawer 2-Y, Richmond, Va. 23205

"Second-class postage paid at Richmond, Va."

tell the Virginia Story

IN THIS ISSUE

From the Desk of Clifford Dowdey	7
THE VIRGINIA ARCHITECT SECTION	
AIA News	9
HAYES, SEAY, MATTERN AND MATTERN	
Hayes, Seay, Mattern and Mattern Office Building	14
Pulaski County High School	28
ARANYI, MURRELL AND ASSOCIATES	
Wesleyan Courts	16
LEON K. SMITH, AIA	
Cerebral Palsy Center	19
Foxcroft Apartments	25
Woodside Preschool	81
GRIGG, WOOD AND BROWNE, AIA	
Church of the Ascension	20
Interior Remodeling of Overbrook Presbyterian Church	21
RANCORN, WILDMAN AND KRAUSE	
Hampton City Hall	22
Phoebus High School	78
GLAVE, NEWMAN, ANDERSON AND ASSOCIATES, INC.	
W. K. Glave Residence	24
Three Branch YMCA'S	46
First United Presbyterian Church	59
Henrico County Residence	84
HERMAN C. GRUBE, AIA	
The Portsmouth Church of God	27
HARDWICKE ASSOCIATES, INC.	
Richmond Hyatt House	32
BAUGHAN AND BAUKHAGES	
Luray Rescue Squad	35
CALVERT, LEWIS AND SMITH	
Henry County Administration Building	38
DAVIS SMITH AND CARTER, INC.	
Terraset Elementary School	43
BYRON R. DICKSON, JR.	
Facilities Remodeling for Cycle Systems, Inc.	50
E. F. Blankenship Office Expansion	76
RAWLINGS, WILSON AND FRAHER	
Two University of Virginia Housing Projects	52
CLARK, NEXSEN AND OWEN	
Davidson College Library	56
MOSELEY-HENING ASSOCIATES, INC.	
Southport Office Park	62
Cloverleaf Office Park	63
NORTHEN AND SADLER, INC., AIA, AIP	
Thalia Professional Center	67
First Baptist Church of Norfolk	72
Green Run Baptist Church	73
C. W. HUFF, JR. - J. CARL MORRIS AND ASSOCIATES, INC.	
Grove Avenue Baptist Church	68
WRIGHT, JONES & WILKERSON	
Student Health Center - College of William and Mary	70
VAUGHAN AND BOYNTON	
Computer Center for Data Systems Corp.	74
For the Record	
Index to Advertisers	101

ON OUR COVER is the open courtyard of the Hayes, Seay, Mattern and Mattern Office Building, designed by its owners. The courtyard features a reflective pool and hemispheric fountain. The building is presented on page 14 of this issue. (Color photograph by J. Alexander)

Look out for our roots.

Underground phone cables. But it's hard to know where they are. Or aren't. And if you're digging, you could accidentally cut some.

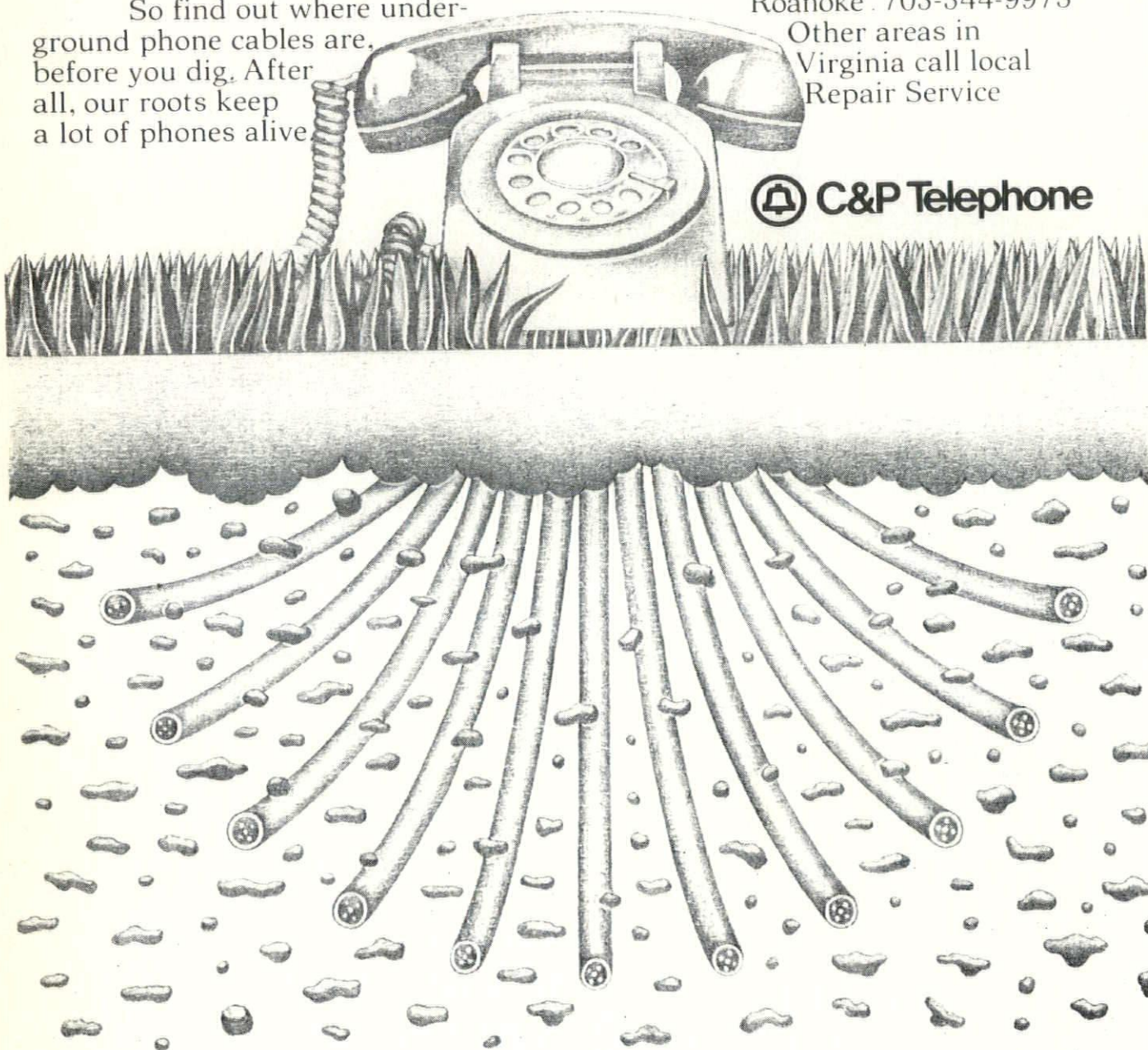
Then everything stops. A lot of phone service. And your crew.

So find out where underground phone cables are, before you dig. After all, our roots keep a lot of phones alive.

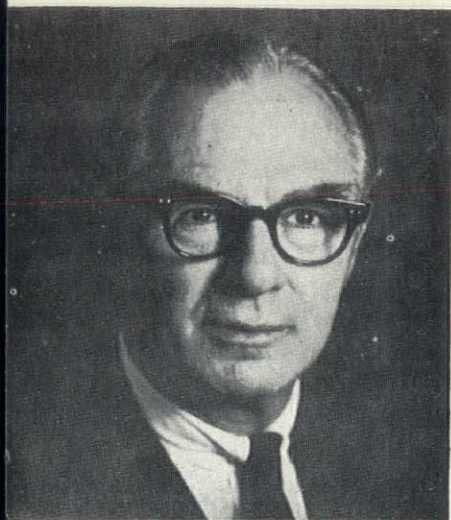
Before you dig, call us.

Northern Virginia	call collect	301-559-0100
Newport News		804-838-5136
Norfolk		804-625-9971
Richmond		804-648-9111
Roanoke		703-344-9973

Other areas in
Virginia call local
Repair Service



 **C&P Telephone**



Clifford Dawdey

Too Much Too Soon

FROM THE MID-1930s to the early 1940s I used to spend some time with Big Jake Parker whenever I visited my parents in Richmond. After the War, when I returned to Richmond to live, I saw Big Jake more or less regularly for a few years, and when in the early 1950s external circumstances removed the ease from our occasional association, I never lost contact with him until his death in the late 1950s. Today Big Jake Parker would be called a black man. To my generation "black" does not come readily to tongue in referring to colored people, and neither Jake, his family or his friends ever referred to themselves as black during the two decades of our acquaintance. Race, however, in far different context than today, was often the subject of our conversations.

Jake had been given his nickname largely because of his size: he packed 265 hard pounds, no fat, on six feet four inches of a big frame. Today when running backs are as big as professional tackles were in pre-war professional football, it might be difficult to comprehend the impression of immensity Jake gave in his well coordinated slow-moving suggestion of unlimited power.

He was also "Big" Jake because of his personal prominence on Richmond's Second Street, then in its heyday as an uninhibited pleasure center. During the time when Virginia laws prohibited the sale of alcoholic beverages in public places, Second Street had wide open saloons, night-clubs, gambling establishments and a hotel with late night serving of drinks in its restaurant. Big Jake was a numbers writer and part owner of one of the "clubs," with informal headquarters at the largest and best known bar in the city, located at Second and Jackson Streets.

Not an educated man in the formal sense, Big Jake had a high native intelligence that was practical and realistic, and he was shrewd, especially in his appraisal of people. With a continual flow of good humor, he loved to laugh at the pretensions of his fellows both black and white. Totally uninterested in the past wrongs done his race, Jake was intensely concerned about some present inequities.

Several of these inequities were superficial and readily changed, as the seating of colored people in the back of buses (and, in those days, trolleys). A more complicated issue involved the low value whites placed upon Negroes as evidenced in the courts. There, said Jake and his friends, when a white person was murdered or gravely injured, the perpetrator of the crime received a stiff sentence and the case was given considerable newspaper coverage. On the other hand, when a colored person was the victim, the perpetrator would get off with a light sentence and the newspapers paid scant attention. (It must be recalled that this was thirty-five years ago, before killings became so commonplace that they rarely made page one.)

(Continues to page 97)

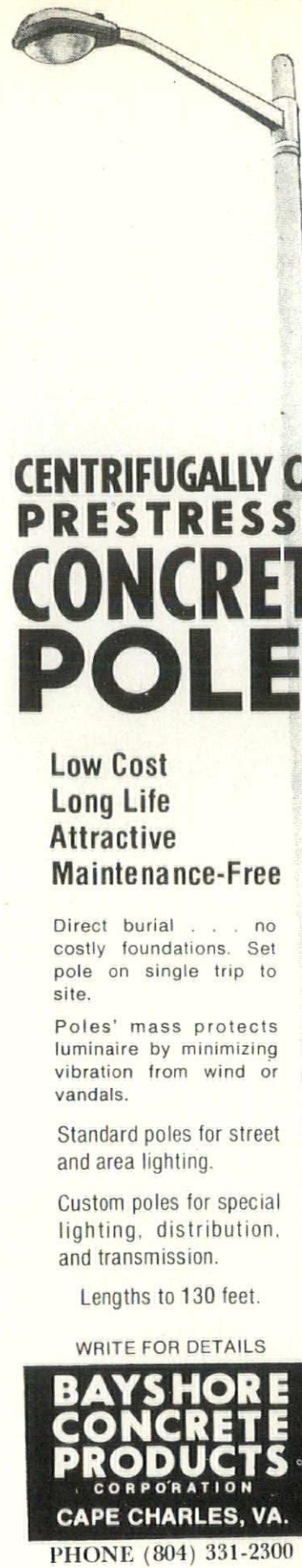
There are larger steel fabricators. (But not many of them!)

Bristol Steel is up to an annual capacity of 120,000 tons from its five plants in Bristol and Richmond, Va., and in Bessemer, Ala. That's a 400% growth in about 12 years. Who knows what will happen in the next 12 years . . . ?

Bristol Steel and Iron Works, Inc.
King and Piedmont Sts., Bristol, Virginia
Fourth St. and Gordon Ave., Richmond, Virginia
2100 8th Ave. N., Bessemer, Ala.



bristol



CENTRIFUGALLY CAST PRESTRESSED CONCRETE POLES

**Low Cost
Long Life
Attractive
Maintenance-Free**

Direct burial . . . no costly foundations. Set pole on single trip to site.

Poles' mass protects luminaire by minimizing vibration from wind or vandals.

Standard poles for street and area lighting.

Custom poles for special lighting, distribution, and transmission.

Lengths to 130 feet.

WRITE FOR DETAILS

**BAYSHORE
CONCRETE
PRODUCTS**
CORPORATION
CAPE CHARLES, VA.

PHONE (804) 331-2300



VIRGINIA CHAPTER
AMERICAN INSTITUTE OF
ARCHITECTS

NOVEMBER 1975

OF THE MANY problems facing architects today, certainly none is more serious than the question of professional liability. Any architect carrying professional liability insurance day knows that increases in premiums mean financial troubles and many are faced with dropping their coverage, a difficult decision in the face of current market trends. What can be done to combat these problems and to lessen their impact?

The American Institute of Architects, through its Insurance Committee and a separate Liability Review Task Force appointed by President William Marshall, is studying the professional liability problem. They are investigating alternate sources for professional liability coverage as one means of coping with premium increases but, from available carriers, only one reply has been received and it establishes a basis for coverage other than the present one. Also being considered is the possibility of an AIA owned and managed insurance program, a program which, however, would require considerable funding and ad-

ministration. The AIA, as part of its present insurance program, has stressed loss prevention and will, during the next nine months, hold eleven day-long Quality Control Seminars. Victor O. Schinnerer and Company, the administrator and counselor of our current insurance program, in cooperation with the Institute, is publishing *Guidelines for Improving Practice* as a forum for ideas designed to reduce exposure and cut premium costs. The new Task Force is undertaking a study to determine a program of legislation to be proposed on national and state levels to limit liability in a variety of ways.

While the AIA continues its study and prepares programs to deal with the problem, we, as architects can best help the situation by exercising care and diligence in the performance of services so that claims can be prevented before they arise. We should take advantage of Loss Prevention/Quality Control Seminars to discover areas where we may be needlessly increasing our exposure. We should read and use *Guidelines for Improving Practice* as a

means to review our operations and reduce liability. We can reduce the cost of premiums by attempting to establish the cost of insurance as a reimbursable expense rather than as part of overhead.

The problems concerning professional liability can be solved. We can help by supporting all Institute programs and research while attempting, at the state and individual levels, to limit our exposure and liability. The Institute invites your comments and asks that you contact Edward G. Petrazio, AIA, Administrator, Department of Professional Practice at Institute Headquarters with your suggestions.

The Public Relations Committee
Virginia Chapter, AIA

F. E. Baukhages IV, AIA
Chairman

Fischbach & Moore Inc.

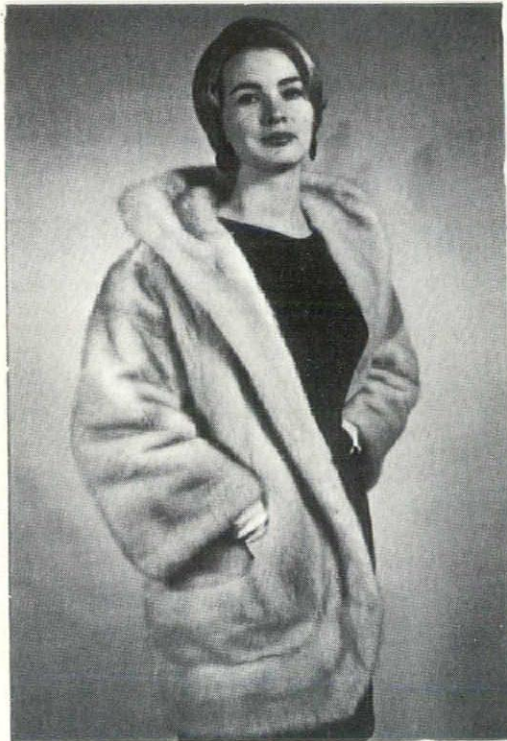
Electrical Contractors

P. O. Box 458, Mechanicsville, Va. 23111

Commercial - Industrial - Institutional



(804) 746-0746



A third of a century ago Harman Fur Farms were pioneers in the then new business of farm raising mink and foxes. Today well dressed women over much of the world are wearing Harman Furs and they are known wherever fine furs are worn.

Here at the farms standard colors and rare new color types are bred and improved.

These furs are available to you, ready to wear in coats, capes and stoles in our fur Shop in Christiansburg, at farm prices.

WRITE OR ASK FOR BROCHURE



HARMAN FUR FARMS
CHRISTIANSBURG, VIRGINIA

First in Furs and Fashions

Arlie G. Andrews

ROCK OF AGES
FAMILY MONUMENTS

Phone 804-733-8741
360 South Crater Road
Petersburg, Virginia

Oliva and Lazzuri

Incorporated

MARBLE • TERRAZZO • TILE
CONTRACTORS



Charlottesville, Va.
Phone 293-3352
Richmond, Va.
Call 649-2075

30 000
ton capacity

Two plants fabricating plate girders for bridge and highway construction—plus heavy structurals for major commercial and industrial projects throughout the Southeast.

Next time you're asking for bids or locating material, keep us in mind.

As a reminder, send for our new brochure — on your company letterhead, please.

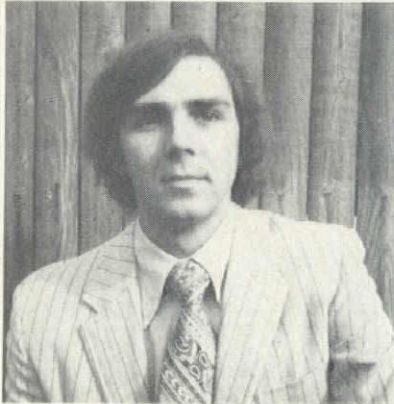
Direct correspondence to:
V. P. of Marketing
P. O. Drawer 26208
Raleigh, N. C. 27611



PEDEN STEEL COMPANY
Raleigh, N.C., Nashville, N.C.

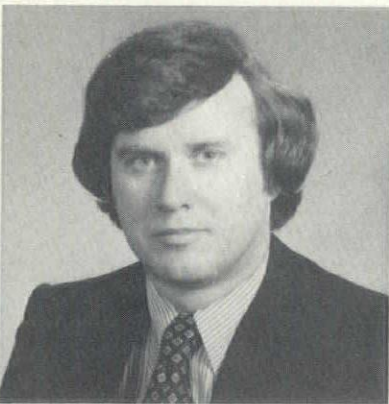
(Continued)

**NEW
CORPORATE MEMBERS**



JOHN F. BISEDA, AIA

Born June 24, 1949 in North Charleroi, Pennsylvania, Biseda received his Bachelor of Architecture from Carnegie-Mellon University, Pittsburgh, Pa. He is with Forrest Coile and Associates, Newport News.



JOHN CAMPBELL MORGAN, JR., AIA

Born August 5, 1939 in Richmond, Morgan received his architectural education at Richmond Professional Institute (now VCU) and VPI (now VPI & SU), Blacksburg. He became an associate member of Virginia Chapter, AIA in December 1974 and received his State Registration in January 1975. John is with Horace G. Freeman, AIA, who announced the firm formation on August 1, 1975 of Freeman and Morgan, Richmond.



DAVID RUSSELL YOUNG, AIA

Born April 26, 1947 in Nassawadox, Virginia, Young received a Bachelor of Architecture degree from VPI & SU, Blacksburg. Dave has been a member of the Virginia Chapter since April 1972 as an Associate, becoming registered in January 1975. He served his apprenticeship with and is now a Project Manager for Moseley-Hening Associates, Inc., Richmond.

**SEABOARD
PAINT & SUPPLY CO.**

Phone 489-7600

Distributors of
SCHLAGE, YALE and
KWIKSET HARDWARE

40th & Killam Ave.
NORFOLK, VA. 23508

**NEW
PROFESSIONAL
ASSOCIATE MEMBER**

JAMES GARRISS ROTHSCHILD

Born August 10, 1945 in Richmond, Rothschild received his Bachelor of Architecture from VPI & SU, Blacksburg. Jim is a Draftsman with Kenneth F. Weimer, Architect, Richmond.

**NEW
ASSOCIATE MEMBERS**



THOMAS EDWARD COATES, III

Born June 29, 1947 in Norfolk, Virginia, Coates received a Bachelor of

TERMINIX SERVICE

*World's Largest Termite Control
Organization Gives You*



A \$150,000.00 PRETREATMENT GUARANTEE

Against New Termite Damage to Your Structure
Low Annual Rates for Termite Continuation Contracts
For the Life of the Structure

"Consult Us About Any Pest Control Problem"

Termite Pretreatment During Construction
Rodent Control for Demolition & Construction
Weed Treatment PRIOR to Paving
Weed Control of Construction Site

Call TERMINIX at



The nationwide pest control experts.

C. BARNES, *Mgr.*
Norfolk, Va.
855-0157

G. H. BRAUBURGER, *Mgr.*
Richmond, Va.
359-3537

J. B. ROBERTSON, *Mgr.*
Roanoke, Va.
344-5173

For Statewide and Nationwide Service

Gas, Water and Sewer Line Specialists

McLane Construction Co.

CHARTER MEMBER RAMCA

J. A. COLLINS, JR.
PRESIDENT

358-4238
2036 BOTETOURT STREET
RICHMOND, VIRGINIA 23220

A. P. Hubbard Wholesale Lumber Corp.

representing

STRUCTURAL WOOD SYSTEMS, INC.

Laminated Arches and Beams

POTLATCH

Laminated Decking

C. M. TUCKER LUMBER CORPORATION

Prefinished Southern Pine Decking

TRUS JOIST

Roof and Floor Systems

— also —

Southern Pine and West Coast Lumber

Flooring—All Species

Salt Treated Lumber

Fire Retardant Treated Lumber

Mill Decking

Plywood

We Specialize in Service



Box 6566
Greensboro, N. C.
Area 919-275-1343

Box 881
Roanoke, Va.
Area 703-362-0578

PRECAST CONTRACTORS, INC.

ERECTION

PRECAST — PRESTRESSED CONCRETE

Fabriwall Brick Panels

Kitchen — Bath Core Units

Dial 301/747-3836

606 EDMONDSON AVE., BALTIMORE, MD. 21208

Colonial Electric Co.

Electrical Contractors

St. Reg. #8171

COMMERCIAL — INDUSTRIAL

P. O. Box 234

Phone (804) 229-6251

WILLIAMSBURG, VA. 23185

ARCHITECTURAL
PHOTOGRAPHY

HUFFMAN STUDIO

285-1436
1509 PARHAM ROAD
RIDGE SHOPPING CENTER
RICHMOND, VIRGINIA 23229

STONNELL ATTERWHITE INC.

CERAMIC TILE-MARBLE-TERRAZZO CONTRACTORS

AUTHORIZED DEALER-APPLICATOR FOR
BOIARDI Products—Resin Floor & Wall Systems

PHONE 353-1285

12 SOUTH LOMBARDY STREET :: RICHMOND, VA. 23220

P. O. BOX 5404

VA. REGISTERED CONTRACTORS NO. 6203

Architecture from VPI & SU, Blacksburg. He is Job Captain with Shriver and Holland & Associates, Norfolk.

STEPHEN WELLS GRESHAM

Born January 19, 1951 in Norfolk, Gresham received a BS degree in Architecture from University of Charlottesville. Steve is a Draftsman with Baskerville & Son, Richmond.



JEFFERY EDWARD HOLSTE

Born February 17, 1947 in Pittsburgh, Pennsylvania, Holste received his architectural education at Old Dominion University, Norfolk and Thomas Nelson Community College, Hampton. Jeffery is an Architectural Technician with the U. S. Army Corps of Engineers, Norfolk.

(AIA News Continues on page 93)

**NICK ULISSE
CONCRETE
CONTRACTOR**



P.O. Box 26983
Richmond, Virginia
Phone 231-4409

PARTITIONS

MOVABLE · SOUNDPROOF · DECORATIVE

"Any Height, Color or Finish"



VAUGHAN WALLS®

MOVABLE WALL FLEXIBILITY/PERMANENT WALL APPEARANCE

ULTRA WALLS

MOVABLE PARTITION

COMPLETE INTERIOR SYSTEMS

CEILINGS—FLOORS—PARTITIONS—PAINTING—WALL
COVERINGS—VINYLS—WOOD WRAPS
ARCHITECTURAL WOOD VENEERS
FINE STONE AGGREGATE SURFACING
PANELING—DOOR FRAMES
DOORS—HARDWARE
SOUND CONTROL



**Plenair Landscape
Partitions System**

COMBINING QUIET EFFICIENCY WITH
BEAUTY AND MOBILITY

VISIT OUR MODERN PARTITION DISPLAY ROOM

FOR INSTALLATION TOMORROW—CALL US TODAY—(804) 262-6595

F. RICHARD WILTON, JR., INC.

3015 Dumbarton Road · Richmond, Virginia 23228

INTERIOR SYSTEMS

COVER STORY

HAYES, SEAY, MATTERN AND MATTERN - ARCHITECTS/ENGINEERS/PLANNERS

HAYES, SEAY, MATTERN AND MATTERN OFFICE BUILDING

Interior Design by THE ARCHITECT

FRYE BUILDING COMPANY - General Contractor

J. ALEXANDER - Photography



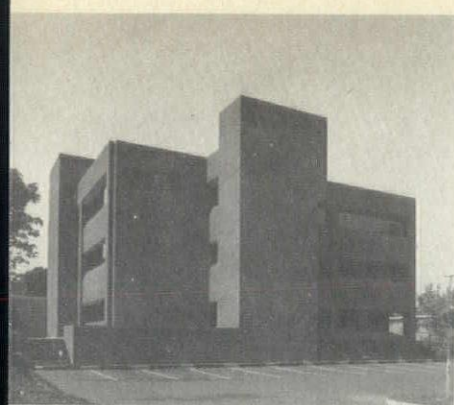
§ THE BASIC DESIGN task was to design an office building to house two-hundred professional employees that would serve as an example of the quality of work being performed by this firm. The site being located in an old, formerly prominent neighborhood of Roanoke adjacent to the CBD dictated that the building blend with the old environment yet represent good contemporary architecture.

The three-story building is essentially a simple square box relieved at the ground level by recessed glass executive office and reception areas and modestly articulated at the two upper floors to define the large open production areas. The distinct form of the two stair towers and service core

relieve the rigidity of the box. An old red brick inherent with the area was selected and combined with a mortar of the same color to allow the form and simple planes to remain homogenous as possible. The glass is set in a black gasket frame system and is gray tinted to complement the red brick.

The ground floor level is raised three feet and separated from the brick paved pedestrian areas by an earth berm to afford privacy for the





Executive offices and to define pedestrian circulation and penetration points to the building. Extensive landscaping and brick paving comprised an essential part of the overall design.

The four floors of the building (one below ground and three above ground) each house a specific function and are connected vertically by the two stair towers and an elevator. The basement level contains the basic service facilities along with the computer center, reproduction area, record storage, a model shop and material sample room. The ground floor level houses the administrative functions of the firm but also includes a classroom and a library. Adjacent to the ground floor reception area is an open courtyard featuring a reflective pool and hemispheric fountain. This area is to be used for outdoor meetings and seminars. The two upper floors are the design and production areas. These areas are basically open and flexible to meet the changing needs of the firm.

Parking for employees is located in three basic areas with one area located at the second level for direct access to the production areas.

The building has a structural steel frame with the exterior walls being reinforced masonry construction. The roof construction includes steel roof deck supported on open web joists, rigid roof insulation and built-up roof-

ing. The interior partitions are basically steel stud and gypsum board with concrete masonry units in service areas and basement. The ceiling is either acoustical tile or plaster. All areas are carpeted except for service areas and basement which have vinyl tile, and the reception room which is brick. Windows areas are aluminum curtain wall with insulating solar-gray glass set in gasket glazing.

The building is heated, ventilated and air conditioned with a high velocity single duct system utilizing terminal electric reheat boxes.

Frye Building Co., of Roanoke, was general contractor and handled foundations, concrete, carpentry, paneling, weatherstripping and insulation.

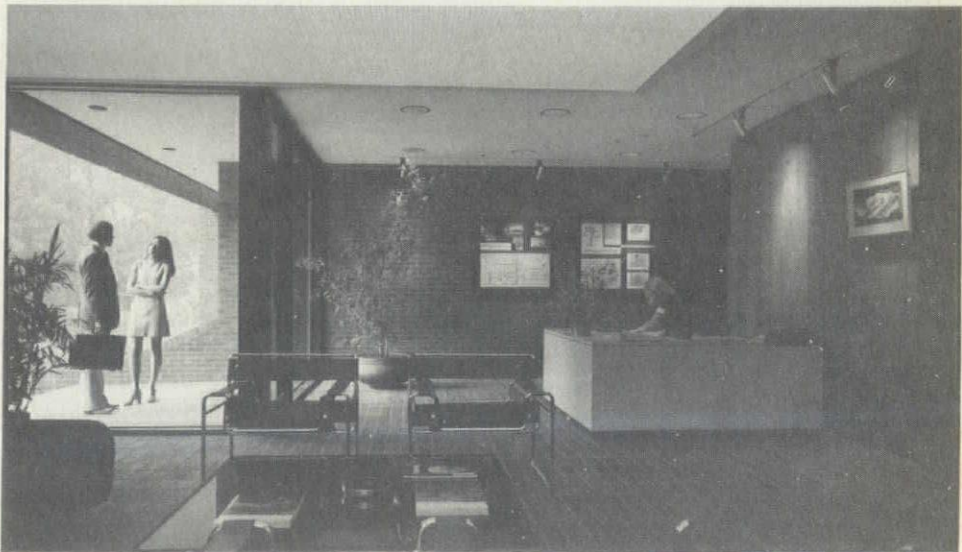
Subcontractors & Suppliers

From Roanoke were: Webster Brick Co., Inc., masonry supplier; I. N.

McNeil, roofing & waterproofing; PPG Industries, windows & glazing; L. R. Brown, Sr., painting & plastic wall finish; John H. Hampshire, Inc., plaster; Newcomb Electric Service, electrical work; Progressive Products Corp., plumbing, air conditioning, heating & ventilating; and, Skyline Paint & Hardware Co., hardware.

From Salem were: Thomas Brothers, Inc., excavating; Masonry Contractors, Inc., masonry contractor; and, L. H. Sawyer Paving Co., paving.

Others were: Hawkins & Cox, Inc., Vinton, steel & steel roof deck; Shankle-Boyle Co., Kingsport, Tennessee, resilient tile; Montague-Betts Co., Inc., Lynchburg, steel doors & bucks & handrails; Guth Lighting Co., St. Louis, Missouri, lighting fixtures; Kohler Co., Kohler, Wisconsin, plumbing fixtures; and, Westbrook Elevator Co., Danville, elevator.



ARANYI, MURRELL AND ASSOCIATES - ARCHITECT

WESLEYAN COURTS

MARSCH & BASGIER
Consulting Engineer, Civil

WILLIS FURNITURE
Interior Decorator

JULIAN RASHKIND & CHARLES F. JACKSON
T/A R & J ASSOCIATES
General Contractor

§ A NEW APARTMENT community designed by the firm of Aranyi, Murrell and Associates, and built by R & J Associates, is located on a 6.3 acre site off Lake Edward Drive in the Bayside Borough of Virginia Beach.

Wesleyan Courts is close to Tidewater's major employment centers, shopping centers, office parks, schools, and golf course.

Being in a developed multi-family area, the project had to be designed to offer the tenants all the conveniences, spaciousness and privacy possible while being economically feasible. Fourteen, eight-unit two-story buildings (at a density of 17.7 units per acre) house the 112 spacious apartments in a mix of 28 one-bedroom, 56 two-bedroom, and 28 three-bedroom units. The square footage being 750 sq. ft., 1025 sq. ft., and 1,275 sq. ft. respectively.

All apartments have the modern amenities such as colorful and complete kitchens, wall-to-wall shag carpeting, walk-in closets, and a sliding glass-doored private patio or balcony. The two and three-bedroom units have two full baths. Fourteen of the two-bedroom units have a den.

In order to minimize noise, the combined individual heating and air conditioning units are located in mechanical rooms outside the apartments off the patios and balconies. Maximum amounts of insulation were used in exterior walls, partywalls, between floors and attics, to conserve energy. Laundry buildings and a storage building have been provided to serve the tenants' needs. The Administration Building serves administrative and maintenance functions.

Julian Rashkind and Charles F. Jackson, T/A R & J Associates, of Virginia Beach, acted as general contractor.

Subcontractors & Suppliers
(Norfolk firms unless noted)

Tidewater Concrete, excavating;
John E. White, landscaping contractor/supplier; Contractors Paving Co., Inc., Virginia Beach, paving con-



WESLEYAN
courts

Floor Plan



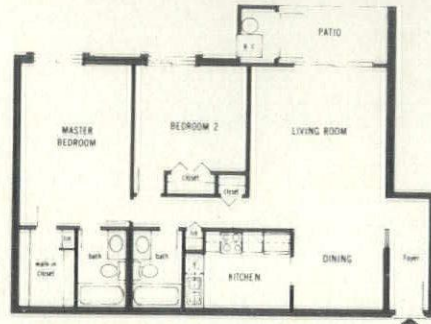


Bedroom, 1 Bath



Bedroom, 2 Bath

tractor; Calvin Brown, foundations & masonry contractor; Bissette Construction Corp., Chesapeake, concrete contractor; Sadler Materials, concrete supplier; Fairmount Block Corp., masonry supplier & mortar; Hall-Hodges, Inc., steel supplier; Steel Services, Inc., miscellaneous metal &



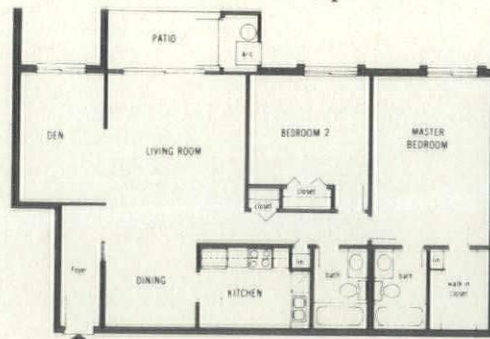
2 Bedroom, 2 Bath & Foyer

handrails; Chevelle Enterprises, Ltd., Virginia Beach, carpentry; Addington-Beaman Lumber, structural wood, millwork, paneling, wood doors & hardware supplier; and, Marsh Furniture Co., High Point, N.C., cabinets.

Also, Goldberg Hardware, caulking & foundation insulation; McDaniels Roofing Corp., Chesapeake, built-up roof, roofing & sheet metal; Colonial Insulation, Inc., roof insulation & wall insulation; Redco Industries, Inc., Va. Beach, glass, glazing contractor & windows; Binswanger Glass Co., Inc., storefront; R. Letourneau, plaster con-

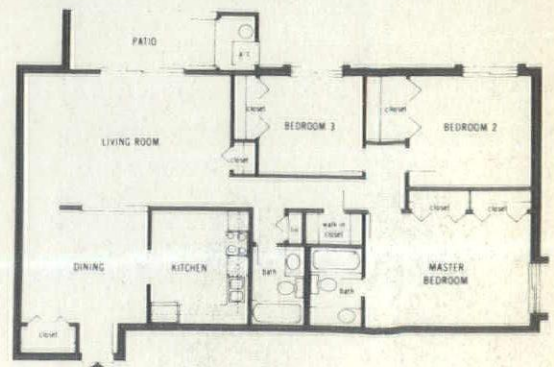
tractor, gypsum board contractor & acoustical treatment; R. M. Letchworth, Va. Beach, ceramic tile & resilient tile; and, REDCO Floors, carpet.

And, Mobile Paint Services, Inc., painting contractor; Bruning Paint Center, Va. Beach, Bruning paint supplier; C. V. West & Co., Inc., plumbing fixture supplier & plumbing contractor; and, Weather Makers, Inc., Virginia Beach, heating, ventilating & air conditioning contractor, lighting fixtures supplier, electrical equipment supplier & electrical contractor.



2 Bedroom, Den
2 Bath & Foyer

3 Bedroom, 2 Bath



STANDARD IRON & STEEL CO., INC.

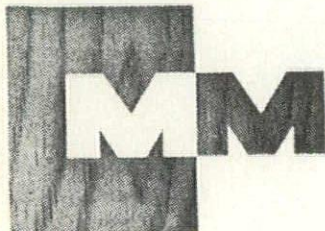
1836-38-40 Church Street
Phone 623-9555
NORFOLK, VIRGINIA 23517

V. C. S. Plastering, Inc.

LATHE PLASTERING & STUCCO — DEMOUNTABLE PARTITIONS
Dial 595-6731

1213 Route 17

Tabb, Virginia 23602



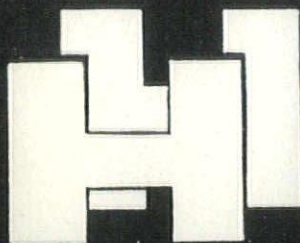
MILLER MANUFACTURING COMPANY
STOCKTON STREET, 6TH TO 7TH
POST OFFICE BOX 1356
RICHMOND, VIRGINIA 23211
PHONE 232-4551

DISPLAY DIVISION is geared to develop and produce custom-tailored permanent display and merchandizing fixtures.

BOX DIVISION specializes in the manufacture of boxes to a variety of industries; such as beverage cases, milk and bread boxes, fruit and vegetable crates.

MILLWORK DIVISION to architectural specifications according to plans; specializing in residential, institutional, commercial and industrial millwork.

MILLER HOMES DIVISION. Quality manufactured homes, ranging in size from 812 to 2800 sq. ft. They are becoming increasingly popular throughout the country.



HESSE & HURT, INC.

Paint contractors for 57 years
Specializing in glazed coatings,
wallcovering and painting.

Ben Eubank
123 West Luck Avenue
Roanoke 342-4645

BEN EUBANK ASSOCIATES



The design end of the business
... working with the architect
early on the job ... an excellent
source of exciting new materials
and design ideas.

109 West Luck Avenue
Roanoke 344-2814



104 NORTH WITCH DUCK ROAD
VIRGINIA BEACH, VIRGINIA 23462
PHONE 497-9392

Robert H. Feagans Co., Inc.

General Contractors

St. Reg. #8193



COMMERCIAL — INDUSTRIAL

Phone (804) 846-4679
P. O. Box 4007
LYNCHBURG, VA.

Serving the Shipping Of the World

Since its organization in 1865 the Virginia Pilot Association has been responsible for the safe passage of billions of dollars worth of commerce through the territorial waters of the Commonwealth.

*** CITATIONS ***
FOR OUTSTANDING SERVICE
U. S. NAVY
HEADQUARTERS FIFTH NAVAL DISTRICT
DISTRICT INTELLIGENCE OFFICE,
FIFTH NAVAL DISTRICT
U. S. ARMY
ARMY SERVICE FORCES
ROYAL BRITISH NAVY
WAR SHIPPING ADMINISTRATION
UNITED STATES COAST GUARD

VIRGINIA PILOT ASSOCIATION

NORFOLK—NEWPORT NEWS

R. L. COUNSELMAN JR., President

THIS Multi-Handicapped Center is in addition to the Robert E. Lee School in Hampton, and replaces the Cerebral Palsy Center located at Sinclair School. The addition was designed to accommodate 60 handicapped students within the new structure, but existing classrooms at Lee are also used.

The much needed space is divided into specialized areas of training. A space of approximately 1500 square feet houses the physical therapy area where students utilize specialized equipment for exercise and therapeutic treatment. The occupational area contains a kitchen, office, and storage space along with approximately 375 square feet of open space to train students in how they can contribute in day-to-day living. There is also a vocational center where children can learn skills and gain a feeling of accomplishment. Speech therapy comprises approximately 500 square feet. Located there are three speech therapy rooms specially constructed to restrict outside noise from interfering with the short attention span of these students. Just off the entry corridor is the pre-school area with an adjacent covered play area. The administrative area contains the administrator's office and receptionist, director's office, conference room and waiting area.

Because of the apparent nature of the school, special consideration was given to bathrooms, corridors, doorways, etc. to serve people with wheelchairs, crutches, and body disorders. The building is carpeted, but allows for easy use of wheelchairs. Super graphic identification signs and cheerful colors were used to achieve a pleasing and inspiring atmosphere.

Construction consisted of concrete masonry units supporting a roof system

LEON K. SMITH, AIA, ARCHITECT, LTD. CEREBRAL PALSY CENTER

PILAND CONSTRUCTION CO., INC.
General Contractor

ROBERT D. WEBB
Interior Design

EUGENE W. WILSON
Photography

of steel joists, deck and built-up roof. The floor is concrete slab. The building is brick veneered accented by fascia panels as used on the entry canopy. Interior wall finishes are painted concrete masonry, vinyl surfaced demountable partitions, and wood paneling; the latter used in administrative areas. The building has four zones of heating, ventilating, and air conditioning using roof top units. Lighting and ceiling registers are located in a 5'-0"x5'-0" ceiling grid pattern that readily accepts demountable partitions for a variable interior space.

Piland Construction Co., Inc., of Newport News, was general contractor.

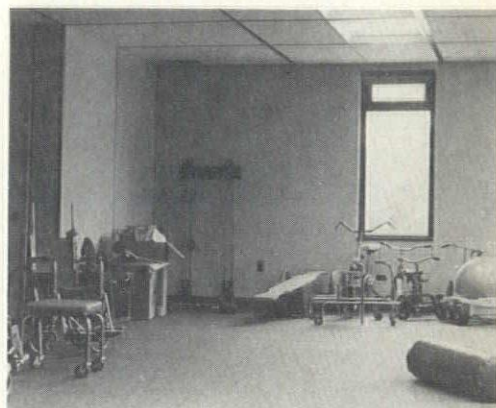
Subcontractors & Suppliers

Newport News firms were: Benbigh Construction Co., foundations; Seaboard Building Supply, millwork; L. C. Heath Roofing, Inc., built-up roof; and, E. Caligari & Son, Inc., painting contractor.

Norfolk firms were: Standard Iron & Steel Co., Inc., steel supplier; Walker & Laberge Co., Inc., glazing contractor; and, Door Engineering Corp., hardware supplier.

Hampton firms were: The Tile Shop, Inc., ceramic tile; Sears, Roebuck and Co., carpet; and, J. P. Blythe, Inc., plumbing & heating contractor.

Others were: United, Inc., Grafton, masonry contractor; Modern School Equipment, Inc., Richmond, cabinets; Ipik Doors, Kenner, La., wood doors; V.C.S. Plastering, Inc., Tabb, acoustical treatment & special wall finish; Brownson Equipment Co., Inc., Richmond, equipment; and, Harrell & Strang, Poquoson, electrical contractor.



TWO CHURCH PROJECTS BY GRIGG, WOOD AND BROWNE —

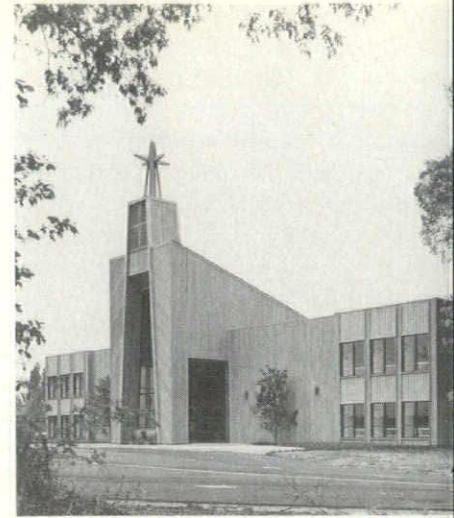
CHURCH OF THE ASCENSION

Landscape Architecture, Interior Design & Photography
BY THE ARCHITECT

ENGINEERING ASSOCIATES
Consulting Engineer, Mechanical

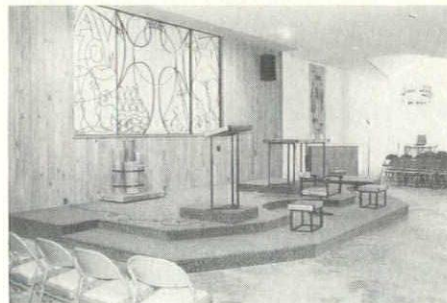
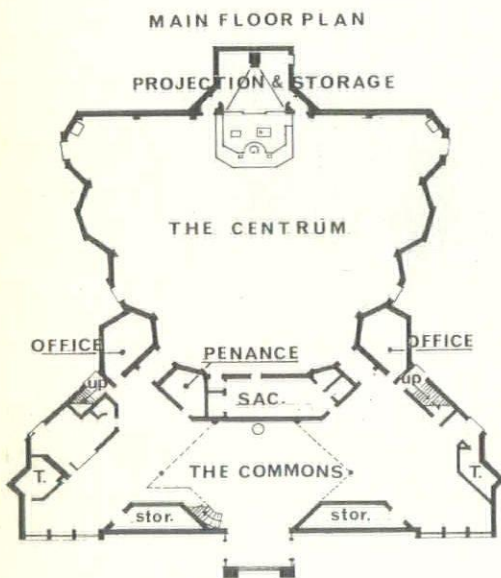
HARRIS, NORMAN, GILES & WALKER
Consulting Engineer, Structural

L. J. HOY, INC.
General Contractor

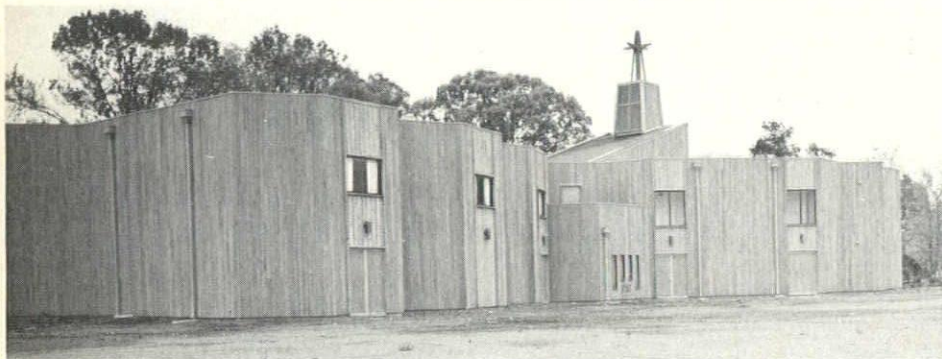


§ THE CHURCH of The Ascension was finished in the summer of 1974. It houses a unique congregation of some 600 families, located in the Kempsville section of Virginia Beach. This Roman Catholic congregation sought to express, in architecture, the current thrust of liturgical renewal which has come in-

Flexibility and multiplicity of use was the dominant criterion for the design. Instead of a nave set aside in the traditional sense for exclusive use of formal ritualistic worship, there is a 60 seat centrum in which the formal worship services are held, but this space also, as did the nave of the ancient Cathedrals, houses other activities such as social gatherings, dances, community meetings, art shows and study groups from the entire community. The flexibility of use required employment of new concepts of acoustical design, lighting and storage — for, on a given Sunday, there may be four widely divergent functions occurring in the centrum space. Since audio visual techniques are employed not only for the instructional and meeting uses, but also in the formal worship, provision has been made for rear screen projection to space which would, in a mo-



to the church since Vatican II; thus, many of the traditional forms of building, art and embellishment are missing — instead, there is a freshness both in program, and in the resulting architecture and decoration which is stated by ecclesiastical authorities to be form setting for that faith.



traditional church, be the reredos, but here a light wrought iron decorative screen folds back into the wall revealing a full projection screen designed for multi-media use. There a

(Continues to page 94)

OVERBROOK PRESBYTERIAN CHURCH

OVERBROOK

Presbyterian church, in Richmond, was completed in the nineteen fifties — being built by Courtney Welton, Architect, in the classical revival style of red brick, light tan characteristic of that period. In the interval, however, programmatic and liturgical emphasis in the worship service made obsolete the traditional interior arrangement as built at that time.

In 1974, a new statement of liturgical requirements was prepared, as a result of which remodeling of the interior was carried out to reflect contemporary adaptation of traditional Presbyterian worship arrangements. The former chancel oriented worship center was abandoned and that space given over entirely to the housing of a new organ, choir and provision for religious drama. Uniquely, the center of worship was moved to the middle of a long side wall and the seating was arranged in crescent form around the pulpit and altar. The change in interior arrangement made it possible for orientation of the entrance to provide ready access to the parking space. Two windows were blocked creating space for traditional tablets placed on either side of the pulpit. A new Holtkamp organ was installed for the choir use. Traditional hanging electric lighting fixtures were replaced by recessed lights and a central period type chandelier. The woodwork was repainted to a soft grey-green and the walls had a warm off-white. Low pile carpet was used over the entire floor surface without adverse effect on the acoustical design.

It is reported that the remodeled interior has prompted widespread interest among those who would seek to transform traditional theatre-type sanctuaries into arrangements more expressive of community worship.

Davis and Spiers, Inc. of Richmond as general contractor and handled masonry, carpentry and resilient tile.

Subcontractors & Suppliers H. Beckstoffer's Sons, Inc., Richmond, millwork; Capitol Lighting &

Supply, Inc., Alexandria, lighting fixtures; and, Mr. B. C. Sheets, Bridgewater, equipment. L. J. Hoy, Inc. of Norfolk was general contractor.

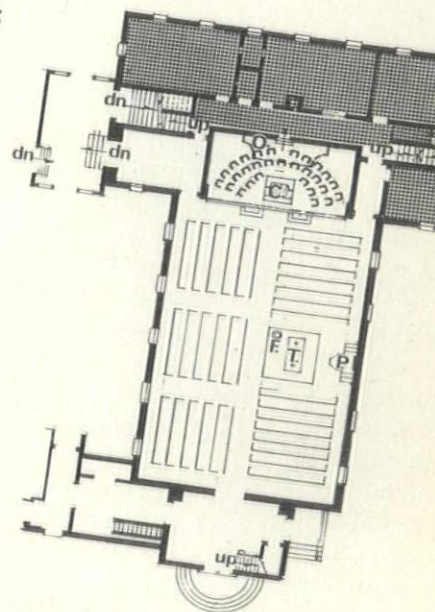
Subcontractors & Suppliers

From Virginia Beach were: Asphalt Roads & Materials Co., Inc., paving; Fett Roofing & Sheet Metal Co., Inc., built-up roof, roofing and roof insulation; PPG Industries, glazing; Tidewater Heating and Air Conditioning, heating and air conditioning; and, J. C. Driskill, Inc., electrical.

From Norfolk were: Snow, Jr. & King, Inc., concrete and masonry; Lone Star Industries, Inc., concrete supplier, masonry supplier and mortar; Chesapeake Steel, Inc., steel supplier, steel erection, steel joists and steel roof deck; Door Engineering Corp., hardware supplier; and, K & L Plumbing & Heating Co., plumbing.

From Richmond were: Richmond Lumber Co., prestained (Olympic stain) exterior siding; and, Manson & Utley, Inc., acoustical ceilings.

ROACHE, MERCER & FAIS
Consulting
Mechanical/Plumbing/E
Interior Design by THE AR
DAVIS AND SPIERS
General Contractor



RANCORN, WILDMAN AND KRAUSE — ARCHITECT HAMPTON CITY HALL

VANSANT AND GUSLER
Consulting Engineer
Mechanical/Electrical

FRAIOLI-BLUM-YESSELMAN ASSOCIATES
Consulting Engineer, Structural

BECOUVARAKIS AND SAVAGE
Surveyors

Interior Design by **THE ARCHITECT**

LEON H. PERLIN CO., INC.
General Contractor

§ **PLANNING FOR** the Hampton City Hall started in 1967, to consolidate administrative functions operating from seven locations around the city. After an extended delay caused by a shift of priorities on capital expenditures, contracts for construction were awarded at the end of 1974.

The ability to adapt to ever-changing space requirements was a basic premise in the design of this building. With only the center core fixed, the remainder of each typical floor (3 through 7) is available for any layout based on a four foot module utilizing demountable partitions. The ceiling system has mechanical and lighting systems integrated, with power and telephone service supplied through an underfloor duct system two feet on centers. The need for this flexibility was demonstrated when work on the project was reactivated and the layouts for virtually every department had to be changed.

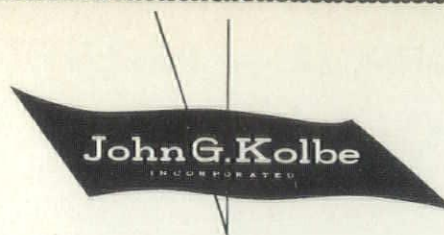
Entrance to the building is over a raised plaza and into a two-story lobby, where space has been allocated for various types of displays. The uppermost floor is devoted to mechanical services and Central Records storage, a new management process being implemented.

The eighth floor will house the Council Chambers, City Manager's and City Attorney's offices. Elevator controls can be set to carry the public directly from the ground floor to the eighth floor when there are night meetings.

Leon H. Perlin Co., Inc., of Newport News, is general contractor, and C. W. Lockwood and Sons, Inc., of Hampton handled piling.



TELEPHONE
804-644-4601



1605 BROOK ROAD
RICHMOND, VA. 23261

EQUIPMENT FOR THE PREPARATION AND SERVING
OF
FOOD AND BEVERAGES
COMPLETE KITCHEN DESIGN SERVICE
COMPLETE DINING ROOM DESIGN AND FURNISHINGS
FOR

HOTELS — MOTELS — SCHOOLS — RESTAURANTS — HOSPITALS — CLUBS
CAMPS — NURSING HOMES — CHURCHES — DRIVE-INS — SNACK BARS.

Branch Office

17 Mediterranean Ave.

Virginia Beach, Va. 23451

Architectural Woodwork Institute, Virginia Chapter

A non-profit organization representing the special woodwork manufacturers of Virginia . . . devoted to the elevation of industry standards . . . to continuing research into new and better materials and methods . . . and to the publication of technical data helpful to architects and specification writers in the design and use of architectural woodwork.



ARCHITECTURAL REPRESENTATIVE

CHARLES E. CRESWELL, JR.
Box 235
COLONIAL HEIGHTS, VA. 23834
804-526-4459

MEMBERS

H. BECKSTOFFER'S SONS, INC.

1209 North 28th Street, Richmond, Virginia 23223
Telephone 804-644-4081

BUILDERS SUPPLY CO. OF PETERSBURG, INC.

222 North Market Street, Petersburg, Virginia 23803
Telephone 804-733-7822

BURTON LUMBER COMPANY

835 Wilson Road, South Norfolk, Chesapeake, Virginia 23506
Telephone 804-545-4613

ELLIOT & COMPANY, INC.

318 West 21st. Street, Norfolk, Virginia 23517
Telephone 804-625-7231

MILLER MANUFACTURING CO., INC.

P. O. Box 1356, Richmond, Virginia 23211
Telephone 804-232-4551

RUFFIN & PAYNE, INC.

P. O. Box 27286, Richmond, Virginia 23261
Telephone 804-329-2691

R. F. SLAUGHTER LUMBER CORPORATION

P. O. Box 3351, Hampton, Virginia 23363
Telephone 804-722-4381

T.M.S. BUILDING SUPPLY CORP.

3721 Goodell Road, Richmond, Virginia 23223
Telephone 804-643-5073

TAYLOR BROS., INC.

1501 Rutherford Street, Lynchburg, Virginia 24501
Telephone 804-845-8006

WATERFRONT LUMBER CO., INC.

P. O. Box 292, Newport News, Virginia 23607
Telephone 804-245-0091

WEAVER BROTHERS

P. O. Box 806, Newport News, Virginia
Telephone 804-244-8411

GLAVE NEWMAN ANDERSON AND ASSOCIATES — ARCHITECT

RICHARD L. FORD, JR. — PROJECT ARCHITECT

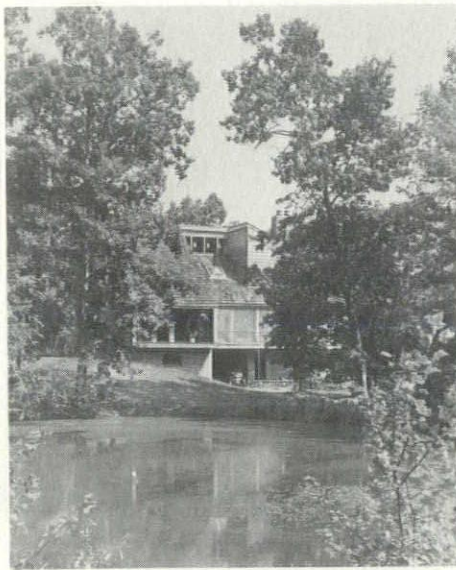
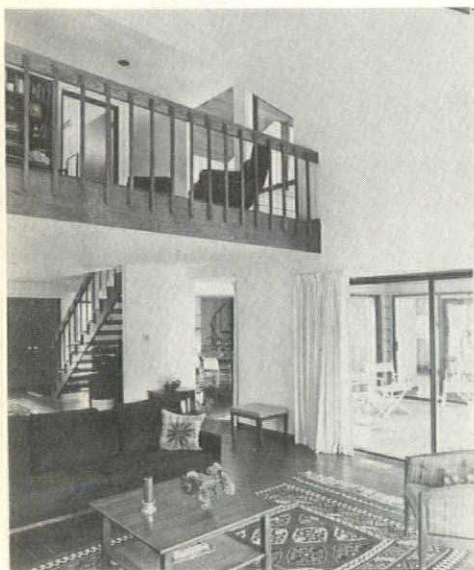
W. K. GLAVE RESIDENCE

JAMES RIVER TRANE
Consulting Engineer
Mechanical

SHIRLEY TATE
General Contractor

WILLIAM J. DAVIS
Consulting Engineer
Structural

CHARLES SANDERS
Photography



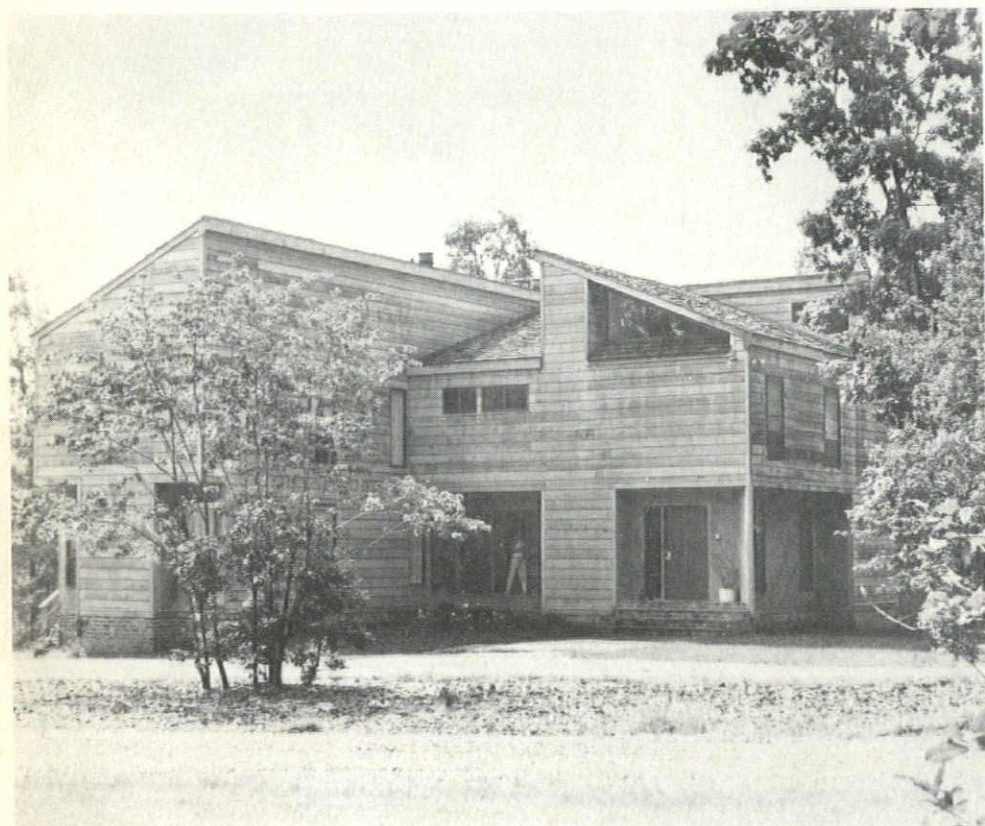
§ FIVE CHILDREN, two adults, a family dog and frequent overnight guests were major influences in the program for the William K. Glave residence in a rural section of Hanover County just west of Ashland. The wooded site, much of which had to be cleared for the house, overlooking a small pond and expectations of a much larger future lake, were also major influences effecting the design and plan organization.

The activity areas of the house are arranged to take advantage of the view of the water and other interesting topography features of the site, while the more private areas (bedrooms, baths) face the more heavily wooded sections to the north and east.

To provide spaces for all of the functions required by an active family of this size on a limited building budget could have meant a lot of small separate spaces or larger combination spaces. The architect, Richard L. Ford, Jr., and the owners chose to design using combination spaces that would open into one another through use of large wall openings, pass thrus and balcony overlooks. The actual room dimensions therefore remain rather small and still there is a feeling to spaciousness. In addition, the "living space" was expanded by wrapping a large screened porch around the southeast corner of the house, facing the water areas. This is frequently used on warm summer evenings for eating and entertaining.

The exterior of the house, designed with a "barn like quality" in mind, is covered in redwood siding, brushed with a bleaching stain, has been allowed to weather to resemble old barn siding.

(Continues to page 94)

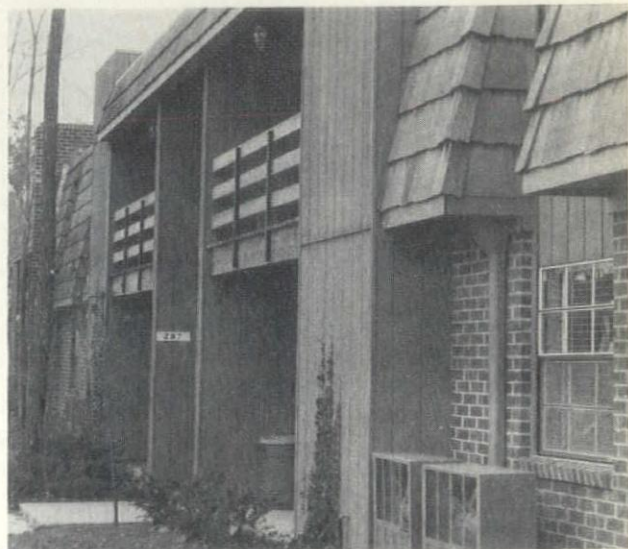


LEON K. SMITH, AIA, ARCHITECT, LTD.

FOXCROFT APARTMENTS

EDWARD G. CARSON, Landscape Architect
CONSTRUCTION ASSOCIATES OF TIDEWATER, LTD.

General Contractor
EUGENE W. WILSON, Photography



FOXCROFT apartments are situated on two parcels of land totaling 21.7 net acres. The density is 13.2 dwelling units per net acre, and is comprised of medium price range rental garden apartments and townhouses. There are .5 acres of recreational space and 492 parking spaces. Of the 288 units, 72 are 1 bedroom-1 bath apartments with a unit area of 660 square feet; 96 are 2 bedrooms-2 baths apartments with a unit area of 960 square feet; 89 are 2 bedrooms-1½ baths townhouses with a unit area of 1080 square feet; and 31 are 3 bedrooms-2½ baths townhouses with a unit area of 1440 square feet. Foxcroft began construction in April of 1971 and was completed in April 1972. Foxcroft 2 started immediately thereafter and was completed in August 1973.

One of the major design features was the development of a multi-family concept to adequately blend in a single-family zone. By land use control and a tree preservation plan, this was achieved, setting the pace for community development.

The garden apartments are of a contemporary mansard design, accented by cedar shakes and natural wood stains. The townhouses hint of the Tudor Style with various applications of brick, cement stucco and half timbers. The result is a blend of materials united with the natural environment producing a single-family neighborhood atmosphere. This unity is further enhanced with the effects of sitting area furniture, yard sculptures and site lighting elements. Amenities for each phase include swimming and wading pools, and a bathhouse. A park-like atmosphere is suggested with six tot-lots and five sitting areas scattered about

the development connected by a system of gravel paths.

Foxcroft 1 was designed for the couple and family market, while phase two introduced a higher percentage of single units. Initially rentals were in the 18 to 23 cents per square foot range, providing market competition with an edge in environmental atmosphere.

Very selective site clearing was done with the cleared material being chipped and mulched for recycling as top dressing. Site circulation was created to follow logical travel routes instead of geometric patterns creating a successful system with a very few new paths being added by the tenants.

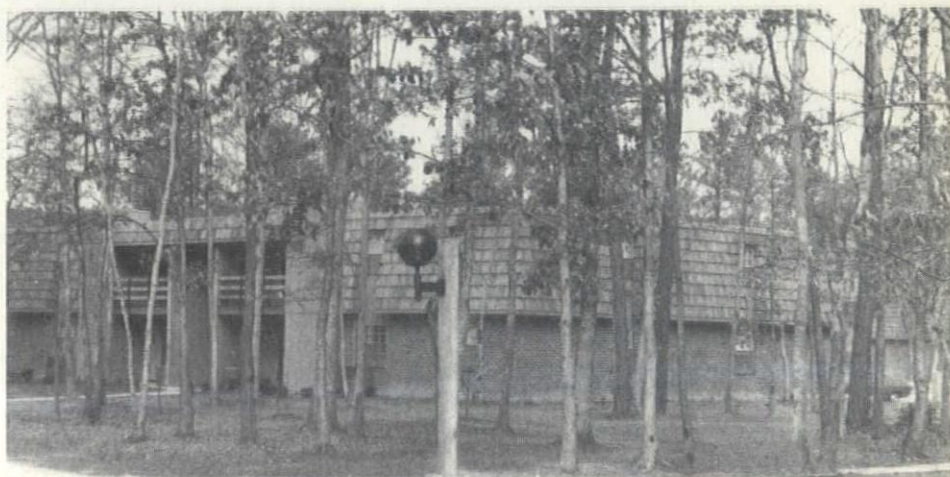
Construction Associates of Tidewater, Ltd., Newport News, was general contractor.

Subcontractors & Suppliers

(Newport News firms unless noted)

Boyd Nurseries, Inc., Hampton, landscaping; C. A. Barrs Contractor, Inc., paving, water & sewer contractor; Addington-Beaman Lumber Co., Inc., Norfolk, structural wood & millwork; Warwick Cabinet Shop, Inc., cabinets; Boyd's Roofing Co., Inc., Hampton, roofing; Keller Industries, Inc., Milford, windows; and, Seaboard Paint & Supply Co., Inc., hardware supplier.

Also, Steckley Painting & Decorating Co., gypsum board contractor & painting contractor; Brunk Tile & Interiors, Inc., ceramic tile; Rugland, Ltd., carpet; Brunk Mechanical Corp., plumbing, heating & ventilating contractor; and, Mallory Electric Co., electrical contractor.



TALLEY NEON AND ADVERTISING CO.

"SERVING VIRGINIA BUSINESSES FOR OVER THIRTY-FIVE YEARS"

Talley Neon is Dedicated to the Constant Evolution and Innovation of Sign Arts.
Foremost in this Pursuit is Quality — of Design, Fabrication and Service.

Home Office:
1908 Chamberlayne Ave.
P. O. Box 27551
Richmond, Virginia
Phone 804-649-0325

Branch Office:
3300 Cromwell Road
P. O. Box 7231
Norfolk, Virginia
Phone 804-353-8051

OWEN STEEL COMPANY

OF

NORTH CAROLINA, INC.



TELEPHONE 865-8571

Area Code 704

P. O. BOX 1657, GASTONIA, N. C.—28053

RECO

Fabricators and Erectors of

Storage Tanks for Water, Oil and Chemicals

Work Performed to API, AWWA, NBFU, and ASME Specifications

RECO CONSTRUCTORS, INCORPORATED

Post Office Box 25189, Richmond, Virginia 23260

Telephone 804-644-2611 Seventh & Hospital Sts.

PORTSMOUTH CHURCH OF GOD

S. C. VOLIVA CONSTRUCTION CO., INC.
General Contractor

§ THIS SMALL 300-seat church continues to grow in the Spirit, as well as in membership.

For many years, the Pastor held services in a small chapel and as the new sanctuary construction got under way, he noticed an increase in membership, placing an even greater priority on the completion date.

The general contractor, also a member of the church, put in extra hours to meet this deadline.

Careful selection of the most practical building material was crucial, utilizing a scissors truss at 2'-0" O.C. to span the 45 feet.

As the new sanctuary had to be placed between the existing Office Educational Wing and the existing Chapel, it became apparent that the new brickwork should be blended with the entire facility. Therefore, the old chapel was veneered to suit.

A small budget required teamwork between the owner/contractor and architect.

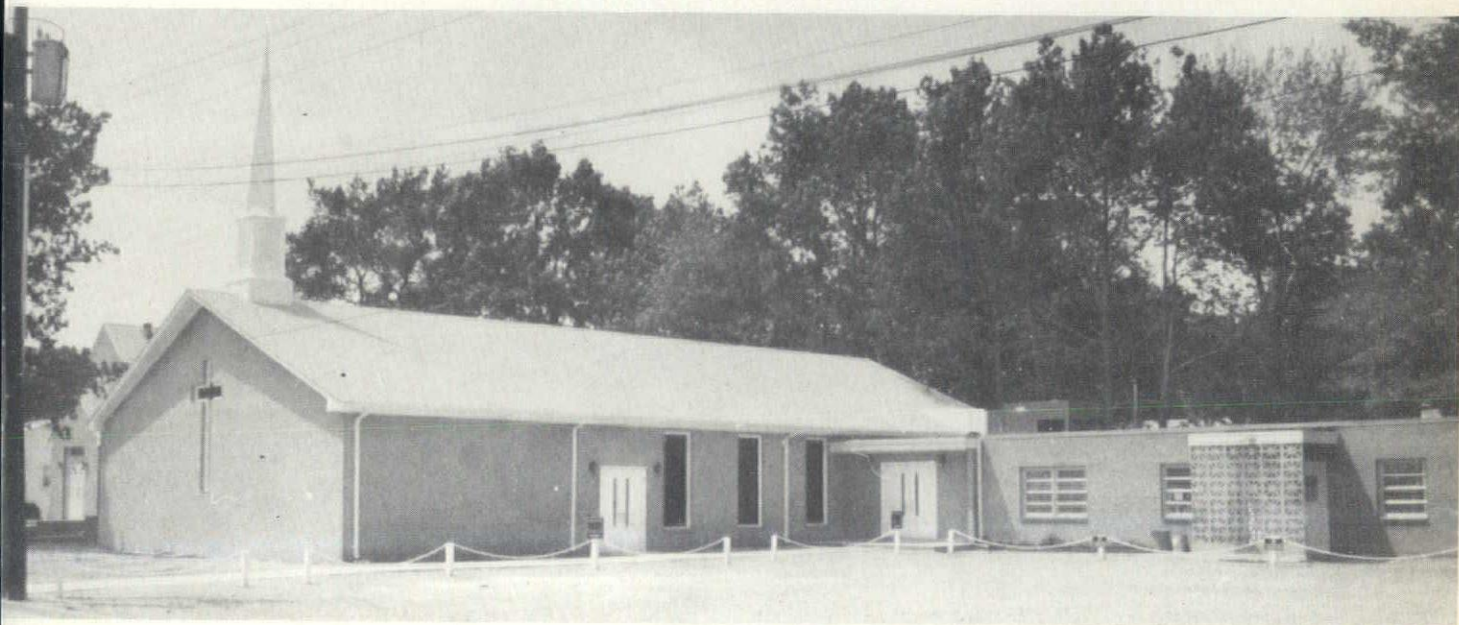
S. C. Voliva Construction Co., Inc. of Virginia Beach was general contractor

and handled excavating, foundations, concrete, carpentry, glazing, painting, paneling, waterproofing and weatherstripping.

Subcontractors & Suppliers

From Virginia Beach were: Warner Roofing Co., roof deck and roofing; Kempsville Building Materials, structural wood, millwork and steel doors and bucks; Ayers Insulating & Supply Co., Inc., insulation; Evans Plastering Co., acoustical and plaster; and, Beach Electric Service Co., lighting fixtures and electrical work.

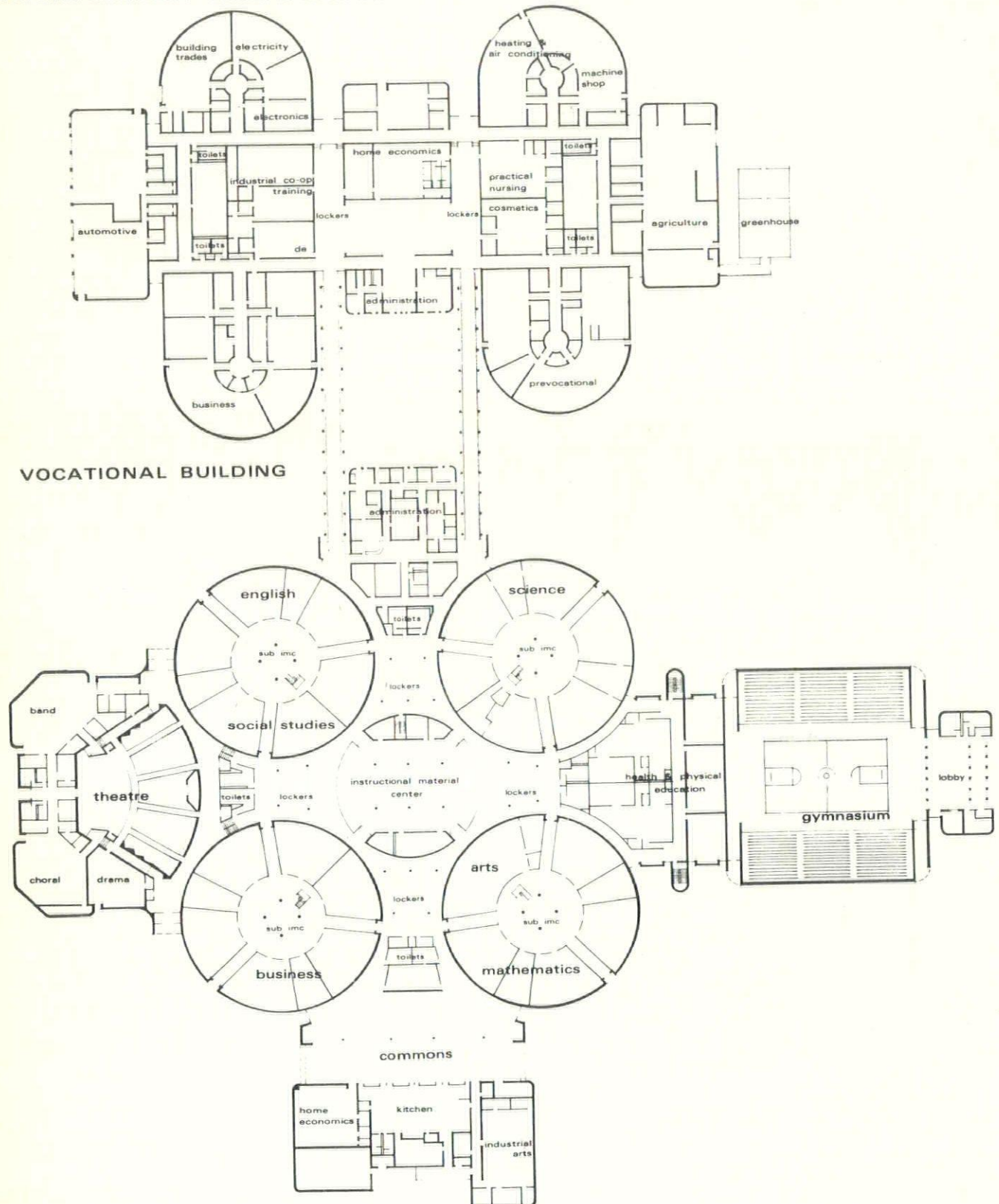
Others were: N. D. Sorey, Bricklayer, Norfolk, masonry contractor; Boyce Lumber Co., Portsmouth, masonry supplier, handrails and hardware; Fiberglass Specialty, Inc., Henderson, Texas, windows; Jayen Tile Corp., Norfolk, structural (glazed) tile and ceramic and resilient tile; Duffys Plumbing & Heating, Portsmouth, plumbing fixtures and plumbing; Nelson & Smith Co., Inc., Chesapeake, air conditioning and heating; and, Randy Lee Paving & Landscaping, Chesapeake, paving.



PULASKI COUNTY HIGH SCHOOL

Interior Design by THE ARCHITECT

T. C. BRITTAIN COMPANY - General Contractor





§ THE RECENTLY COMPLETED Pulaski County High School consolidates the secondary school system and offers both academic and vocational programs to meet the growing needs of the county. The facility was designed to accommodate an ultimate enrollment of 2500 students within a building shell containing approximately 293,000 sq. ft. that provides the flexibility to allow varying degrees of both conventional and open plan concepts as dictated by the changing needs of the teaching program. The interior and exterior facilities were designed to allow for extensive community use for both night and summer programs.

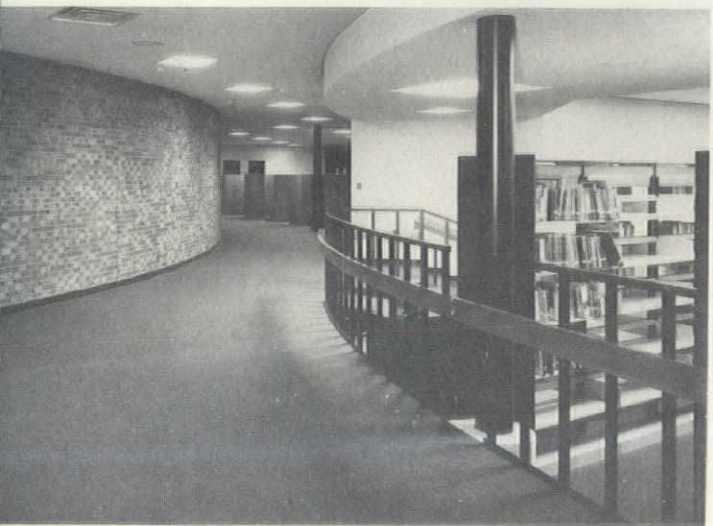
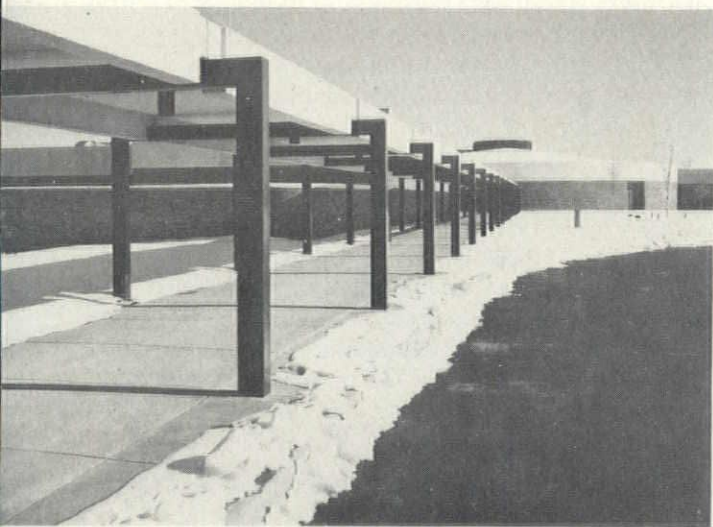
The academic and vocational facilities are housed in two separate buildings, similar in concept, connected through a central courtyard space by two covered walkways.

The four classroom pods each containing the equivalent of fourteen conventional size classrooms are grouped symmetrically around the instructional materials center (IMC) forming a compact nucleus for the academic building. Open student locker areas and toilet facilities are conveniently located in the triangular area between every two pods and the IMC. The support facilities (music, physical education, food service, and administration) are located at the penetration points between each pod.

A Sub-IMC for distribution of specific instructional material, serves as the nucleus for each of the circular classroom pods. The teacher planning area is located on an open mezzanine level above the Sub-IMC. Demountable partitions may be located on four foot centers around the circumference of each pod thus allowing flexibility of a variety of classroom sizes to implement the varying degrees of the open plan concept.

The vocational building houses extensive facilities for a number of programs including business, prevocational, automotive, building trades, electronics, agriculture, cosmetics, and nursing. The layout is more conventional in concept than the academic building but retains semi-circular pods to allow the flexibility for program changes in the classroom, business, prevocational and shop areas.

The exterior facilities include tennis courts, a number of playing fields, parking, a driver training area equipped for



night use, and a 12,000 seat football stadium located in a natural bowl.

A warm greenish-brown brick was selected to allow the curvilinear forms to blend with the gently rolling hillside. A white precast concrete band terminates the brick and defines the forms and periphery of the buildings. The only areas with glass were the administration, commons, and entrance points to the building. The interior materials are generally carpet, acoustical tile ceilings, and brick, or epoxy coated concrete masonry partitions. A series of accent colors used in conjunction with the burnt orange carpet creates a pleasing and lively interior environment.

Structurally the buildings are supported on steel frames with load bearing exterior walls of brick and concrete masonry unit backup. Floor slabs are concrete poured over a crushed stone filler course and a vapor barrier for ground supported slabs. Structural slabs are concrete supported on steel deck and open web steel joists. Foundations are a combination of spread footings, piers, and steel piles.

Generally all classrooms, administrative areas, library, auditorium, commons, and similar areas are heated, ventilated and air conditioned with either single or multizone air handling units used in conjunction with low velocity duct distribution systems. The systems will have capability of providing atmospheric cooling during off-seasonal weather by automatically varying outside air quantities from the required minimum to 100 percent. Areas such as the gymnasium, locker rooms, kitchen, and shop areas etc. are heated and ventilated with single zone units used in conjunction with low velocity duct distribution systems. Cooling is provided by electric centrifugal chillers used in conjunction with induced draft cooling towers.

Lighting is generally fluorescent with incandescent in special purpose and exterior areas. Also included under electrical work are exit and emergency lighting systems, driver training lighting and signal systems, stage lighting, emergency generators, master time and program control, intercommunication and public address system, TV antenna, and telephone system.

T. C. Brittain Co. of Decatur, Ga., was general contractor and handled foundations, masonry work, carpentry weatherstripping, insulation and plaster.

Subcontractors & Suppliers

Branch & Associates, Inc., Roanoke, excavating; Caisson Corp., Greensboro, N. C., excavating; Virginia Block Co. Pulaski, concrete; General Shale Products Co., Johnson City Tennessee, masonry supplier; Montague-Betts Co., Inc. Lynchburg, steel, steel grating and steel doors & bucks; J. B. Eurell Co. of Va., Richmond, steel roof deck & roof deck Economy Cast Stone Co., Richmond, precast concrete Leonard Smith Sheet Metal & Roofing, Inc., Salem, roofing Joe Rineco Co., Inc., Bristol, interior stone work; Binswange Glass Co., Greensboro, N. C., windows & glazing; and Engineering Sales Corp., Bristol, Tennessee, steel joists.

Also, Tilley Paint Co., Pulaski, painting & plastic wall finish; Seager Waterproofing, Inc., Greensboro, N. C., waterproofing; R. L. Dresser, Inc., Raleigh, N. C., acoustical resilient tile & wood flooring; Joe Rainero Tile Co., Inc. Bristol, ceramic tile & terrazzo; Burton Lumber Corp. Chesapeake, millwork, wood doors & handrails Westinghouse Electric Corp., Vicksburg, Mississippi lighting fixtures; Bryant Electric Co., Inc., High Point, N. C. electrical work; Kohler Co., Kohler, Wisconsin, plumbing fixtures; Lowe & Nelson Plumbing & Heating Corp. Roanoke, plumbing, air conditioning, heating & ventilating Skyline Paint & Hardware, Inc., Roanoke, hardware; and Stanley R. Cupp, Inc., Christiansburg, paving.

Others were: Powers Fence Co. of Roanoke, Inc., Roanoke fencing; The Brinkley Co., Dover, Delaware, metal siding Flowers School Equipment Co., Inc., Richmond, curtain tracks; Construction Service Co., Knoxville, Tennessee, door bumpers; Cates Building Specialties, Inc., Roanoke, overhead doors and folding partitions; Roanoke Engineering Sales Co., Inc., Roanoke, demountable partitions; W. W. Nash & Sons, Inc., Richmond, fireproofing; American Steel Products, Farmingdale, N. Y., hollow metal frames; Liske Aluminum Co., Baltimore, Md., raised floor; and, Harb Rug Cleaning Co., Knoxville, Tennessee, carpet.

Robert M. Dunville & Brothers, Inc.

General Contractors

Industrial—Commercial

Phone 804-648-6504

1 East Cary St.

Richmond, Virginia

B. F. PARROTT & COMPANY, Inc.

General Contractors



811 Boxley Building
ROANOKE, VIRGINIA

**The
greatest
thing
to happen
to hardware
since
the hammer.**



Pleasants Hardware
"Most Anything" - Since 1915
2024 W. Broad St.
359-9381

WATKINS PLANTS
are the rugged
outdoors type...



**with a Genteel Background
Since 1876**

Member, Associated Landscape Contractors of America



WATKINS NURSERIES
15001 Midlothian Tpke.
648-3306 • 794-5016

We honor BankAmericard and Master Charge.

PERRY ELECTRIC CO., INC.

ELECTRICAL CONTRACTORS

Industrial — Residential — Commercial



11012 Jefferson Ave.

Phone 804-595-3375

NEWPORT NEWS, VIRGINIA 23601

HARDWICKE ASSOCIATES, INC. - ARCHITECT

RICHMOND HYATT HOUSE

EDWARD D. STONE, JR., P. A.
Landscape Architect

ELSTERS, INC.
Interior Design

ROACHE MERCER & FAISON, INC.
Consulting Engineer
Mechanical/Electrical

HARRIS, NORMAN, GILES & WALKER
Consulting Engineer, Structural

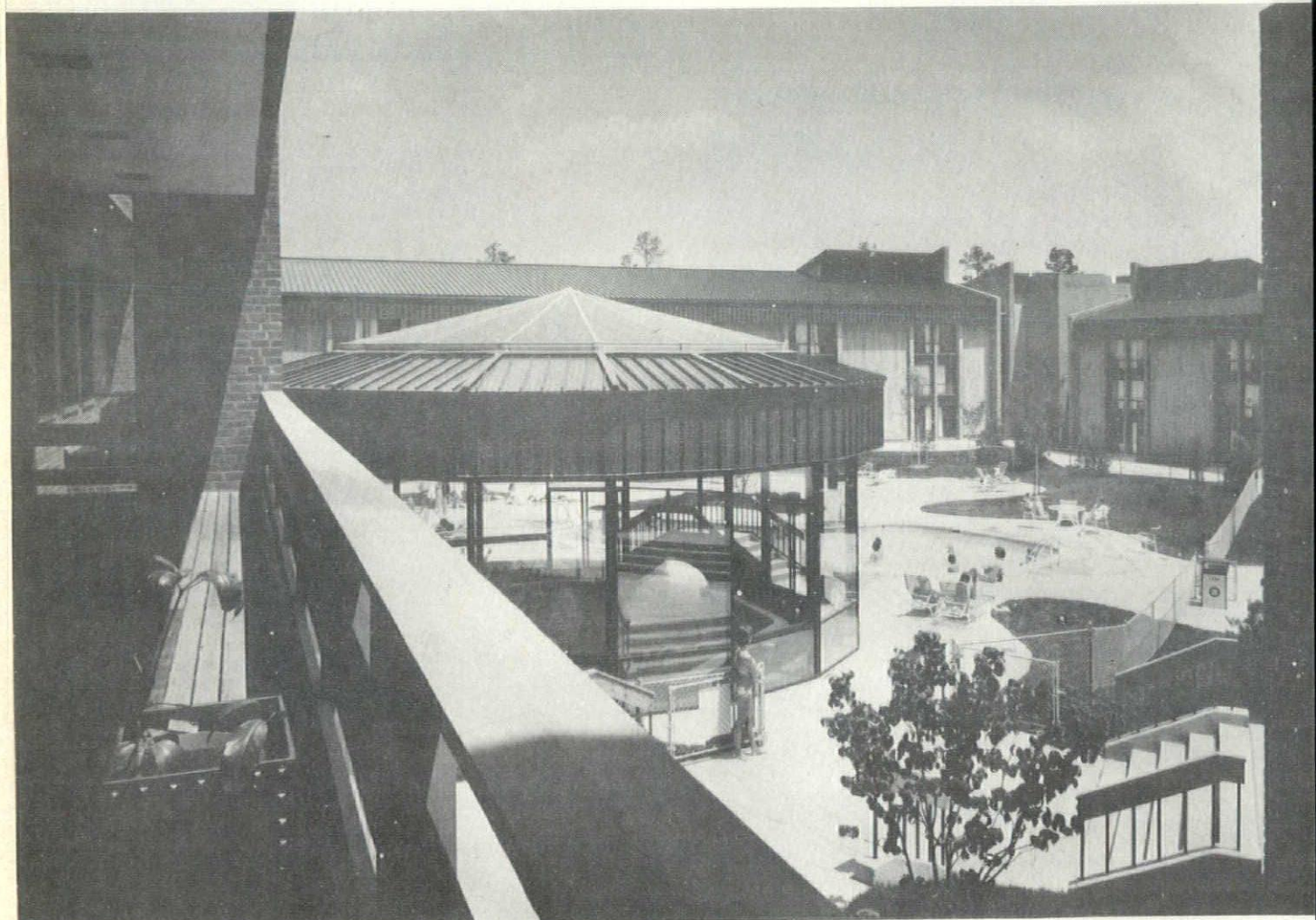
LAPRADE BROTHERS
Consulting Engineer, Civil

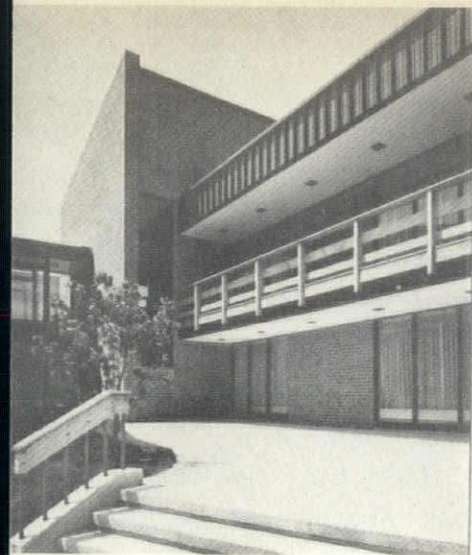
DANIEL CONSTRUCTION CO. OF VIRGINIA
General Contractor

HUFFMAN STUDIO
Photography

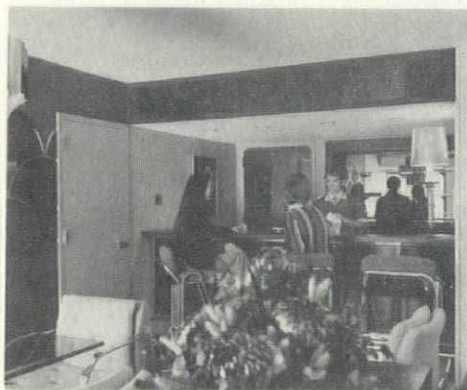
§ THE 275-ROOM Richmond Hyatt House is situated on a sloping ten acre site within the Brookfield Tract at the intersection of Interstate 64 and West Broad Street.

Through a combination of warm wood finishes, native Virginia brick and bronze-colored metals, the hotel presents a mood of casual elegance while at the same time relating to the office structures on the site. Entering the main lobby, one is struck with the warmth generated by bringing the brick and wood finishes of the exterior into the lobby and down the corridors. The restaurant entry continues this theme of





warm materials and is augmented by area rugs and fabrics of warm autumn tones. The design intent for the cocktail lounge and main dining room was to effect a contemporary version of the "Traditional English Pub" atmosphere. Changes in floor levels further enhance this "Pub" concept of separating the dining area from the cocktail area. A second dining room creates the lush and airy mood of a greenhouse and is decorated with numerous potted plants and hanging baskets of greenery. A large skylight further enhances the relaxed natural atmosphere. The greenhouse overlooks the landscaped terraced courtyard which features one of the hotel's major attractions, an indoor-outdoor swimming pool. For most months of the year, the adventurous



swimmer can swim through a short tunnel and emerge in the comfort of the heated outdoor pool.

All guest rooms feature an entrance vestibule, a seating area, oversized beds and are decorated in bright, exciting colors with contemporary furnishings. For that very special guest, two luxury suites have been provided. Each has a large living area, two bedrooms and two baths, one bath complete with a sunken tub.

The Hyatt House Hotel is owned by the Richmond Corporation through its affiliate, Richmond Equivest, Inc. and becomes a part of the California-based Hyatt Corporation's National Chain of Hotels and Motels under an operating agreement with Richmond Equivest, Inc.

Daniel Construction Co. of Va., Richmond, was general contractor and handled foundations and carpentry.

Subcontractors & Suppliers
(Richmond firms unless noted)

E. G. Bowles Co., excavating; Valley

Landscape Co., Inc., Baltimore, Md., sodding, seeding, etc., and landscaping supplier/contractor; Lee-Hy Paving Corp., paving contractor; Nick Ulisse, concrete contractor; Bob Reed, reinforcing; Massey Concrete Corp., concrete supplier; Bat Masonry Co., Inc., masonry contractor; Eastern Building Supply Co., masonry supplier; Liphart Steel Co., Inc., steel supplier, steel erection & miscellaneous metal; and, Owens Steel Corp., steel joists.

Also, Ar-Wall, Inc. of Va., aluminum roof; N. W. Martin & Bros., roof deck; River Lumber Co., structural wood; T M S Builders Supply, millwork; Alexander Waterproofing Co., waterproofing; E. S. Chappell & Son, Inc., caulking; PPG Industries, glass & glazing; and, N. Chasen & Son, Inc., painting.

And, F. Richard Wilton, Jr., Inc., insulation, plaster & drywall; John H. Hampshire, Inc., acoustical & resilient tile; Oliva & Lazzuri, Inc., ceramic tile; Roanoke Engineering Sales Co., Inc., steel doors & bucks; Chewning & Wilmer, Inc., electrical work; Noland Co., plumbing fixtures; William H. White, Jr., Inc., plumbing, air conditioning, heating & ventilating; W. W. Moore & Sons, elevator; and, Pleasants Hardware, hardware.



Valley Landscape

COMPANY INC.

6241 FALLS RD.
BALTIMORE, MD. 21209
VALLEY 5-2500



Over 30 years
experience as
**LANDSCAPE
CONTRACTORS**
on major pro-
jects throughout
the East.

We have the
tools, equipment
and know-how to
execute your
plans and spe-
cifications.

Furnishers of
Specimen
Nursery Stock

Builders of
Tennis Courts
Athletic Fields

R. E.

LEE

& SON,
INC.

OFFICE ON HYDRAULIC ROAD

P.O. BOX 7226

CHARLOTTESVILLE, VA. 22906

PHONE 804-973-4393



BUILDING CONSTRUCTION

Daniel Construction Co. OF VIRGINIA

GENERAL CONTRACTORS

P. O. BOX 6737
RICHMOND, VIRGINIA



— OFFICES —

GREENVILLE
BIRMINGHAM
GREENSBORO
JACKSONVILLE

LEXINGTON
LITTLE ROCK
BRUSSELS
PUERTO RICO

NEW YORK — SALE OFFICES — CHICAGO
LONDON

INDUSTRIAL & COMMERCIAL

INSTITUTIONAL

3805 Cutshaw Ave.

Phone 358-8471

I almost always specify
Sanford Brick whether
a client is building
a home or
a high-rise.



As an architect I'm concerned with a lot more than just design. For example, I need to know what building material best adapts itself to the particular job I'm working on; its initial and long range costs, its strength and durability, and its availability.

I almost always recommend Sanford brick whether my client is building a home or a high-rise. Sanford brick's natural beauty, strength and durability have always made it a popular favorite, and now its superior insulating qualities make it a practical answer to higher heating and cooling costs.

I consider Sanford brick the closest thing there is to a perfect building material.

SANFORD  **BRICK & TILE CO.**
SANFORD, N. C.
A DIVISION OF
SANFORD BRICK CORPORATION

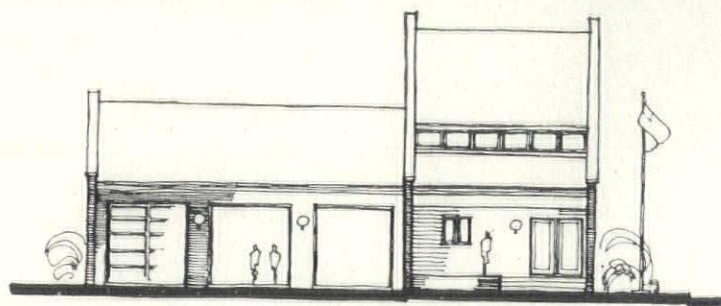
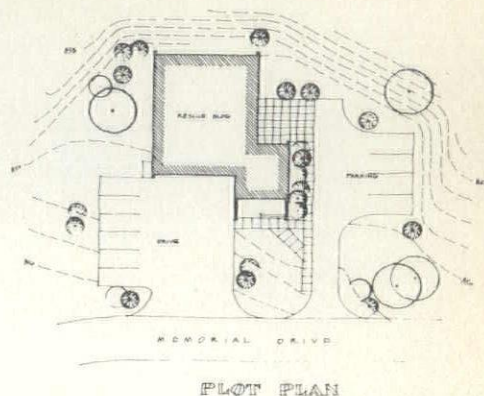
BAUGHAN AND BAUKHAGES, ARCHITECTS, AIA

LURAY RESCUE SQUAD

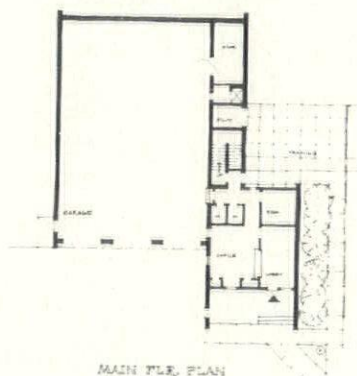
JET ENGINEERING, Consulting Engineer, Mechanical/Electrical

LURAY RESCUE SQUAD, General Contractor

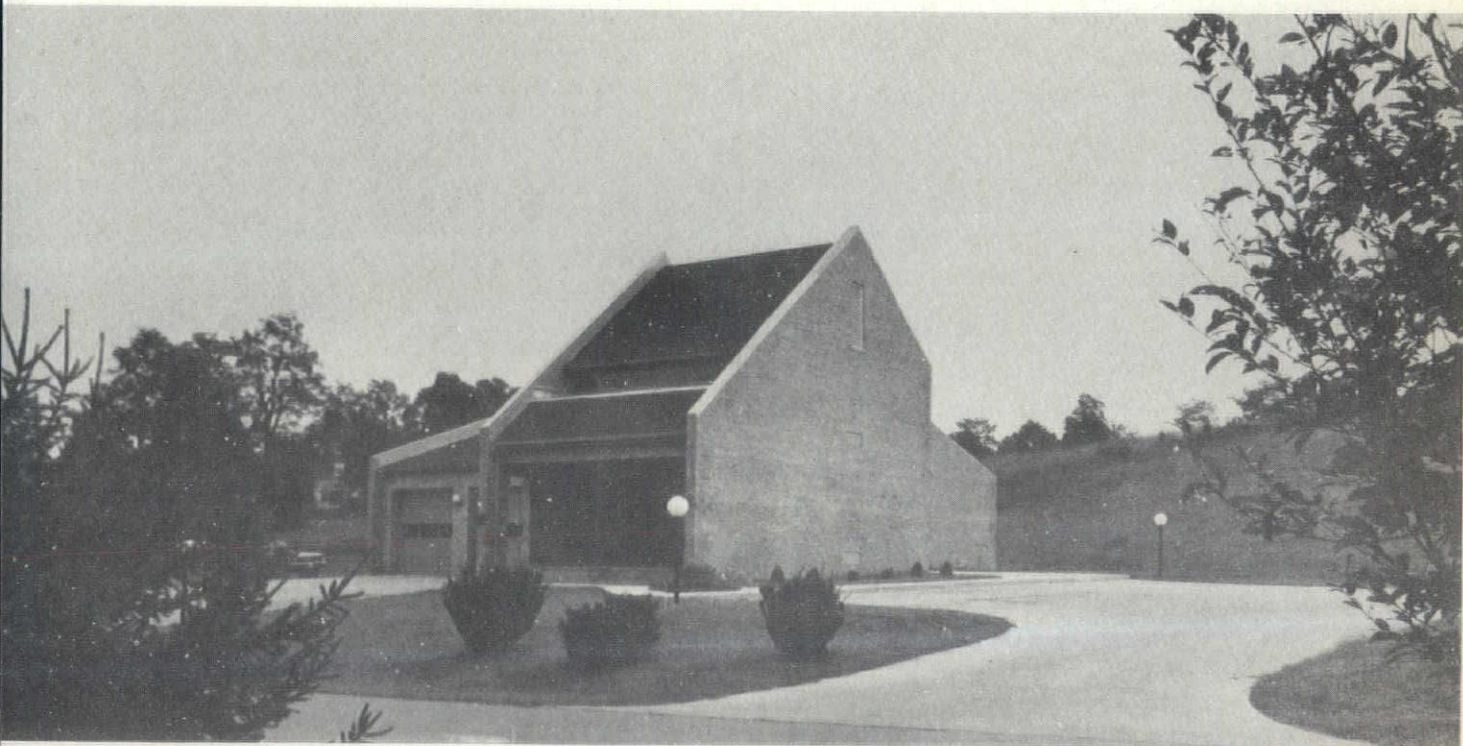
Photography by THE ARCHITECT



FRONT ELEVATION



§ THE NEW headquarters of this all-volunteer rescue squad is located near the hospital in Luray and is part of a medical complex which includes the hospital, a medical office building, a state regional health laboratory, county health department and a 60-bed nursing home. Financed by public contributions and constructed by the squad members with the help of some sub-contractors, the building houses a radio-dispatch office, training areas, six-vehicle garage and their subsidiary spaces. The garage wing is designed for expansion to accommodate a total of ten vehicles as required for future needs. The structure is brick-veneered concrete block walls with wood-trussed,



FRANK B. McALLISTER

INCORPORATED
General Contractor

St. Reg. #
7434



COMMERCIAL
—
INDUSTRIAL

OFFICE

122 Agency Avenue P. O. Box 9041
Richmond, Virginia 23225
Phone 233-9228

TOSALMA STONE QUARRY & SHRUB FARM

Route 3—Box 250-A Phone 798-5410 Glen Allen, Va.

Colorful Gneiss for Buildings, Fireplaces
Dry Walls, Patios, Fountains and Walks

Lasting Beauty With the Least Maintenance

R. L. DIXON, INC.

Electrical Contractor

Commercial — Industrial — Residential

Phone 804-359-9431

3013 W. Clay St.

Richmond, Va.



Lightweight—Insulating, Fireproofing
Water Repellent Masonry Fill Insulation
Lightweight Insulating Roof Deck Systems
Insulation—Granular and Glass Fiber
Plaster Aggregate—Vermiculite and Perlite
Polystyrene Rigid Insulation
Mono-Kote (Cementitious Mixture for
Direct-Steel-to-Steel Fireproofing)

ZONOLITE DIVISION
W. R. GRACE & CO.
Plants Serving This Area

P. O. Box 1308, High Point, N.C.
Ph: 886-4807—Area 919

P. O. Box 347, Beltsville, Md.
Ph: 953-2863—Area 301

The Walter E. Campbell Company, Inc.

Distributors For

OWENS CORNING FIBERGLAS
ACOUSTICAL AND ROOFING INSULATION
AND

JOHNS-MANVILLE ACOUSTICAL & FESCO PRODUCTS
AND
CPR

POLYURETHANE
the thin insulation

10721 Tucker St.

Phone (301) 937-5700

BELTSVILLE, MD. 20705

H. M. S. ELECTRIC CORPORATION

St. Reg. #7839

Light — Power

For Business — Industry

Dial 301/652-8800

5480 Wisconsin Avenue

Chevy Chase

Maryland 20015

Andrews Large & Whidden Inc.

St. Reg. #5433

INDUSTRIAL—COMMERCIAL—INSTITUTIONAL

P. O. Box 527



Phone 392-3119

FARMVILLE, VIRGINIA 23901

Froehling & Robertson, Inc.

Inspection Engineers & Chemists

SINCE 1881

COMPLETE TESTING & INSPECTION FACILITIES

Serving

ARCHITECTS — ENGINEERS — CONTRACTORS

MAIN OFFICE & LABORATORIES

814 West Cary Street

Richmond, Va.

BRANCH LABORATORIES

Baltimore, Md.

Roanoke, Va.

Norfolk, Va.

Raleigh, N. C.

Charlotte, N. C.

Fayetteville, N. C.

Greenville, S. C.

Washington, D. C.

asphalt shingle roofs. The personnel spaces are air conditioned and the entire building is heated by an oil-fired hot water system. The Luray Rescue Squad provides 24-hour service with back-up drivers on call if the initial vehicles on the scene require assistance.

The owner, Luray Rescue Squad acted as its own general contractor for the project.

Subcontractors & Suppliers (Luray firms unless noted)

Oscar Sours, excavating; Page County Concrete, Inc., concrete supplier; United Clay Products Co., Alexandria, masonry supplier; Blue Ridge Truss, Bayse, structural wood; U. S. Plywood, Richmond, millwork; Court Cabinets, cabinets; Luray Builder's Supply, glass, metal doors & frames and paint supplier; Binswanger Glass Co., Inc., wood doors & windows; Luray Floor & Door Shop, carpet; Pittsburgh Paints, paint manufacturer; Noland Co., Charlottesville, plumbing fixture supplier; J. Rex Burner Co., Inc., plumbing, heating, ventilating & air conditioning contractor; Piedmont Electric Supply, Staunton, lighting fixtures supplier; Tristate Electrical Supply, Hagerstown, Md., electrical equipment supplier; Burner Electrical Service, Inc., electrical contractor.



SERVING
THE EASTERN
UNITED STATES

MODULAR HOMES AND APARTMENTS
PANELIZED HOMES — REAL ESTATE

P. O. Box 5511

Phone (703) 632-7101
MARTINSVILLE, VIRGINIA 24112

Powell-McClellan Lumber Co., Inc.

Custom Millwork

West Coast Timbers

Domestic & Foreign Hardwoods

3200 Lafayette Blvd.

Norfolk, Va. 23509



Robert W. Baughan Company



Clearing - Excavating
EXCLUSIVE LANDSCAPING

Anne Baughan
Phone 804-746-7678

6233 Mars Drive
Mechanicsville, Va. 23111



YOUR ELECTRICAL SUPER MARKET

At Tristate Electrical Supply, we have made our reputation and our success by being sensitive to local needs and by providing the Fastest and Best Source of Inventory Availability. We have the capacity and the organization to do you some real good:

- ☐ Over 18,000 items in our stocking network
- ☐ 20 Locations Near To Your Needs in Md., Penna., Va., West Va., Wash. D.C., and the Delmarva Peninsula.
- ☐ Complete Quotation & Information Services
- ☐ Self-Selection

HARRISONBURG, VIRGINIA
120 Waterman Drive, 22801
433-1212

WINCHESTER, VIRGINIA
102 W. Hart St., 22601
662-1769

ROCKVILLE, MARYLAND
15119 Frederick Rd., 20850
762-7646

HAGERSTOWN, MARYLAND
1741 Dual Highway, 21740
733-1212

JOHN F. HALLMAN, JR., PRES. & TREAS.
G. ED. LUNSFORD, JR., SECY.

FACE BRICK
HANDMADE BRICK
CERAMIC GLAZED BRICK
PAVING BRICK
GRANITE
LIMESTONE
CRAB ORCHARD STONE
PENNSYLVANIA BLUESTONE
NOR-CARLA BLUESTONE
FEATHEROCK
BUCKINGHAM-VIRGINIA SLATE
VERMONT SLATE



ESTABLISHED 1910

F. GRAHAM WILLIAMS CO.

INCORPORATED

"Beautiful and Permanent Building Materials"

OFFICES AND YARD: 1690 MONROE DRIVE, N. E.
PHONE TR. 5-0043 P. O. BOX 13406, STATION K

ATLANTA, GA., 30324

MARK P. J. WILLIAMS, VICE-PRES.
FRANK D. WILLIAMS, VICE-PRES.

CERAMIC GLAZED
STRUCTURAL TILE
SALT GLAZED TILE
UNGLAZED FACING TILE
SOLAR SCREEN TILE

FIBERTEX PRECAST LIGHT
WEIGHT INSULATING ROOF
AND WALL SLABS

HAR-BAR PARKING BARRIERS

ARCHITECTURAL TERRA COTTA

FLAMINGO MASONRY CEMENT
FOR COLORED MORTAR

MASONRY CLEANER

CALVERT, LEWIS AND SMITH - ARCHITECT/ENGINEER

HENRY COUNTY ADMINISTRATION BUILDING

MARTINSVILLE OFFICE SUPPLY
Interior Designer

SOWERS, RODES & WHITESCARVER, Consulting Engineer, Mechanical/Electrical

JOHN W. DANIEL & COMPANY, INC., General Contractor

§ IN OCTOBER OF 1973, the Henry County Board of Supervisors authorized Calvert, Lewis & Smith to make a survey of the space requirements for the Henry County governmental offices. Each department head was interviewed and asked for initial requirements and for estimated requirements ten years hence.

This study formed the basis for the design of the Henry County Administration Building, which is currently under construction. The completed structure will house fourteen county departments, including the Henry County school administrative offices.

The building is located on a site which has been developed within the

last ten years. A social services building and a jail building have already been constructed on the site in accordance with a master plan. The Administration Building is located in the center of the site, with the Meeting Hall wing being the focal point.

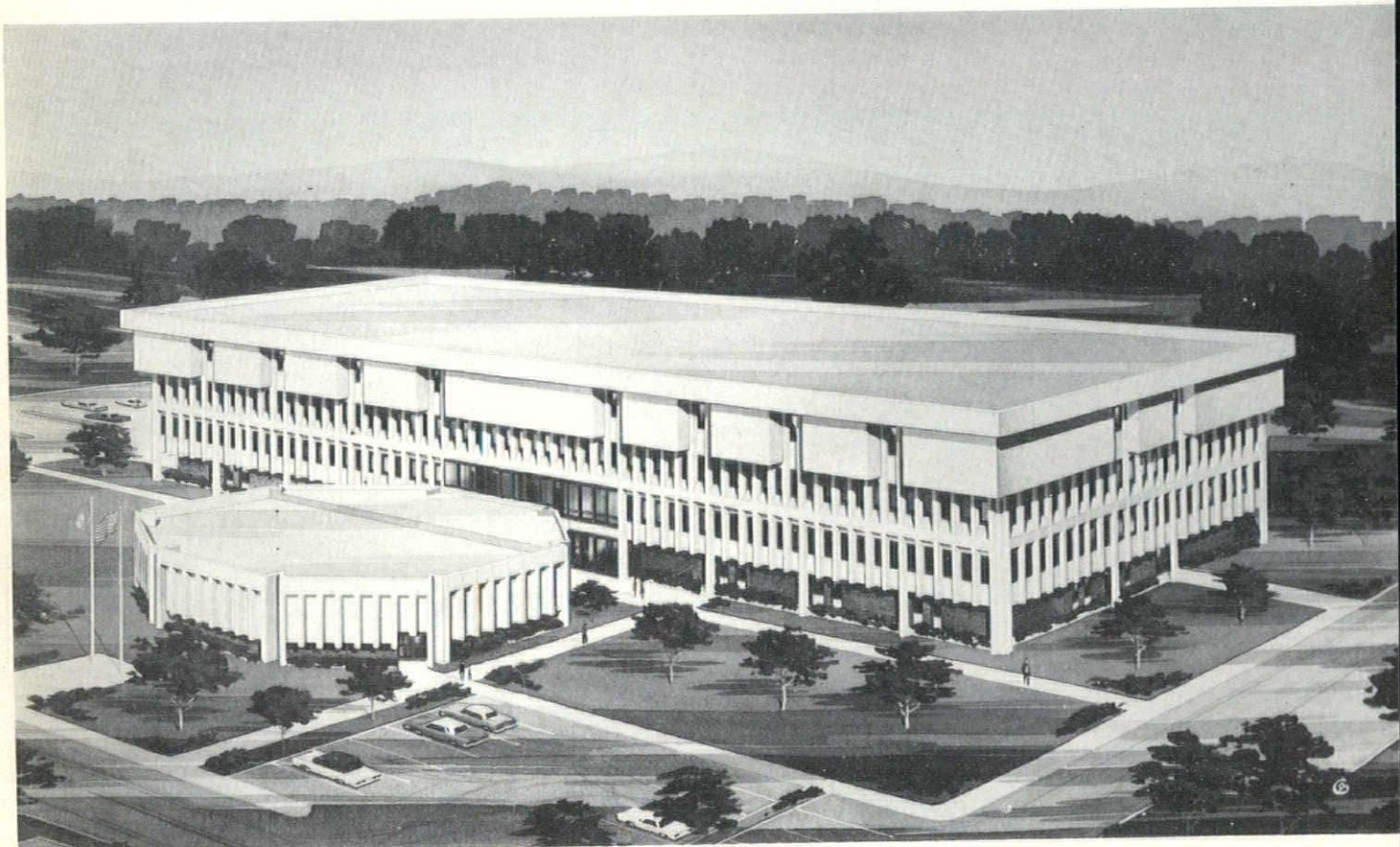
Located on the first floor are constitutional officers and others that have frequent contact with the public. Also on the first floor level is the Meeting Hall wing, which is separated from the main building by an enclosed lobby and is easily accessible to the public for both day and night use.

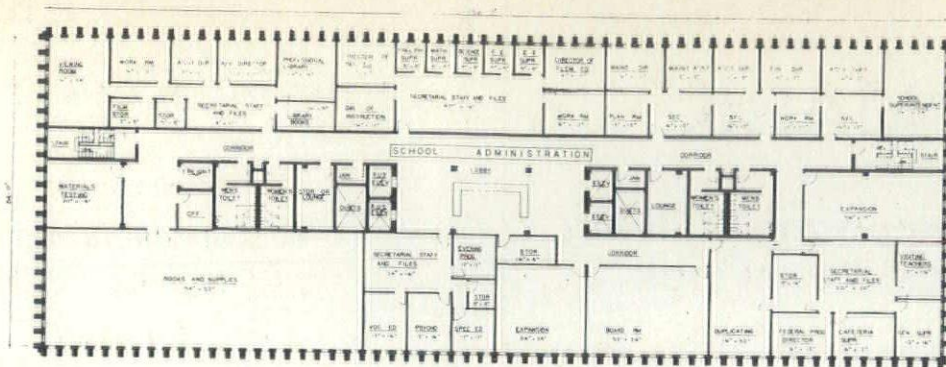
The second floor houses the County Administrator and all of the departments that are under his direct super-

vision. Also located on the second floor is the Public Service Authority and a cafeteria.

The school administrative offices occupy the entire third floor. The fourth floor is "shelled in" and is designated primarily for future expansion of the school offices.

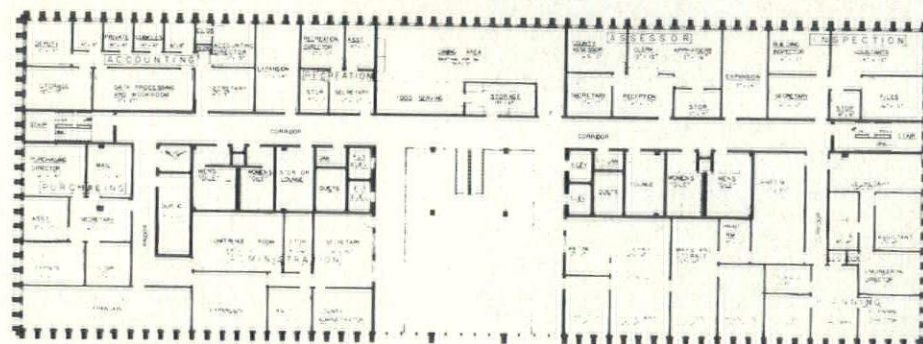
The total area of the building, including a partial basement, is approximately 92,000 square feet. The four-story main building is constructed of a steel frame, with floors utilizing composite construction. The exterior walls are non-loadbearing and are of brick and precast architectural concrete. All interior walls are also non-loadbearing. Walls around the service





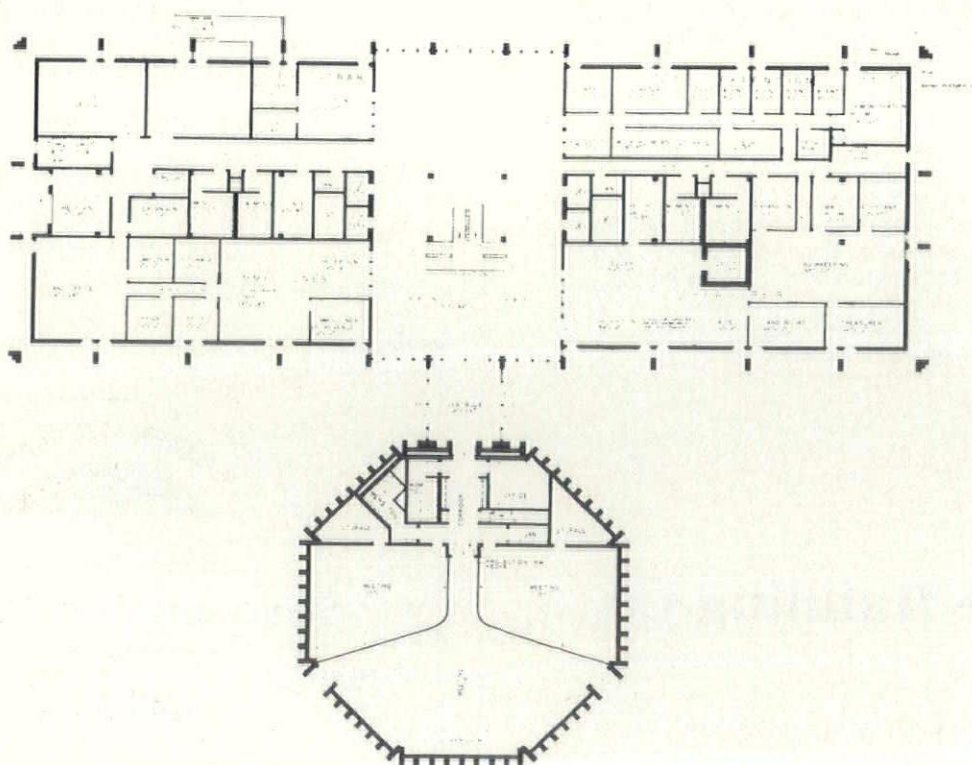
THIRD FLOOR PLAN

SCALE 1/4" = 1'-0"



SECOND FLOOR PLAN

SCALE 1/4" = 1'-0"



FIRST FLOOR PLAN

SCALE 1/4" = 1'-0"

LANDMARK™

by Butler

The contemporary building
with the traditional look.



With Landmark, you get the freedom to choose any decorative fascia you want without sacrificing Butler's famous pre-engineering advantages.

You get faster construction, economical clear spans with clean interiors, a superior roof, earlier occupancy and a better investment return.

Landmark is just one of the New Generation of Buildings by Butler. Four interrelated building systems with your choice of seven factory-made curtain walls and four outstanding roof systems.

Call us soon. As your Butler builders, we want to show you just how exciting these new Landmark designs can be. And the rest of the New Generation as well. We guarantee price, accept single-source responsibility.



Frye Building Co.

ROANOKE, VA. 24004

P. O. Box 616

Phone 344-0928

Superior Concrete, Inc.

*Serving
Mid-Shenandoah Valley
With Quality Ready Mix
Concrete*

Phone 703-434-0346

HARRISONBURG, VA. 22801

CHESAPEAKE PARTITION, INC.

*Acoustical Tile, Dry Wall
Lathing & Plastering*

St. Reg. #10063

3424 Azalea Garden Road
Norfolk, Va. 23513

J. Lawson Jones Construction Co., Inc.

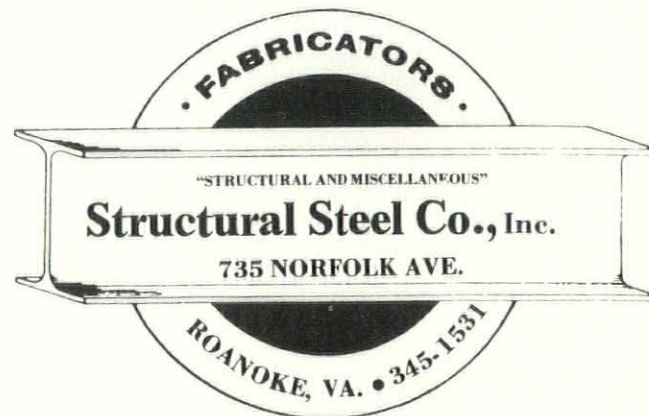
Roads & Bridges

P.O. Box 696

Phone 374-8342

CLARKSVILLE, VA. 23927

"We Are An Equal Opportunity Employer"



core are of masonry and are considered permanent. All other interior walls are built of steel studs and drywall with vinyl coating, and are considered semi-permanent to permit space flexibility as future requirements change. Floor finish in the public areas on the first floor is terrazzo, with carpet on all other public and office areas. Ceilings are acoustical tile with exposed grid system.

Mechanical systems include heating and cooling of all finished spaces, stand-pipe fire protection, public address system in the Meeting Hall, emergency lights, two passenger elevators, two future passenger elevators, and one freight elevator.

The building is scheduled for completion in October of 1976.

The County Administrator during the planning of this building was Mr. John E. Longmire. Current Acting Administrator is Mr. Gerard Seely. Members of the Board of Supervisors are Mr. Melvin W. Brown, Chairman; Mr. Elmer E. Dalton, Vice-Chairman; Mr. Jack E. Dalton; Mr. W. M. Norman; Mr. Andrew D. Hodges; and Mr. Charles W. Martin.

John W. Daniel & Co., Inc. of Danville, was general contractor and handled excavating, foundations, concrete work, masonry work, miscellaneous metal, handrails, carpentry, caulking, and foundation insulation.

Subcontractors & Suppliers

Owen Steel Co. of N. C., Inc., Gastonia, N. C., reinforcing; Doyle Ready Mix, Martinsville, concrete supplier; Martinsville Concrete Products, Martinsville, masonry supplier; Exposaic Industries, Inc., Fredericksburg, stonework contractor/supplier; Structural Steel Co., Inc., Roanoke, steel supplier; C. P. Buckner, Chapel Hill, N. C., steel erection; Roll Form Products, Charlotte, N. C., steel roof deck; Snow Lumber Co., High Point, N. C., millwork, paneling, cabinets & wood floors; and, Helms Roofing Corp., Martinsville, built-up roof & sheet metal.

Also, J. B. Eurell Co. of Va., Richmond, insulating roofing; Binswanger Glass Co., Inc., Greensboro, N. C., glass, glazing contractor, window wall & storefront; Seybar, Inc., Martinsville, metal doors & frames; LWC Industries, Opa Locka, Florida, windows; Skyline

Paint & Hardware Co., Roanoke, hardware supplier; John H. Hampshire, Inc., Roanoke, plaster contractor, gypsum board contractor, acoustical treatment & resilient tile; and, David G. Allen Co., Inc., Raleigh, N. C., ceramic tile & terrazzo.

And, Glazed Products, Inc., Martinsville, structural (glazed) tile; Richard L. Shough, Martinsville, painting contractor & wall covering; Cates Building Specialties, Roanoke,

specialties; Southern Elevator Co., Inc., Greensboro, N. C., elevators; Kannapolis Sprinkler, Kannapolis, N. C., sprinkler contractor; Kohler Co., Kohler, Wisconsin, plumbing fixture supplier; Galax Plumbing & Heating Co., Inc., Galax, plumbing, heating, ventilating & air conditioning contractor; Graybar Electric Co., Raleigh, N. C., electrical equipment supplier; and, Bryant-Durham Electric Co., Inc., Durham, N. C. electrical contractor.



EXPOSAIC INDUSTRIES, INC.

Va. St. Reg. #10029

Manufactured and Installed
Architectural Precast Concrete Panels
for both
Exterior and Interior Application
on the
Henry County Administration Building
Martinsville, Va.

P. O. BOX 542, FREDERICKSBURG, VA. 22401
(703) 373-1221

CEDAR ROOFS OF RICHMOND, INC.



Roofing Contractors

RESIDENTIAL & COMMERCIAL

WHOLESALE & RETAIL

2718 Cofer Road

Phone 804-232-1229

RICHMOND, VA.

Serving Central & Southern Virginia

W. F. HOY

Lathing, Plastering & Dry Wall Contractor

Phone 885-3702

729 Richmond Ave.

STAUNTON, VA. 24401

LUMBER MILLWORK
BUILDING SUPPLIES

James River Building Supply Co.

Phone 737-6091

• 100 Lumber Drive

• Sandston, Va. 23150

SDG, INCORPORATED

Phone 804-233-9841

6th & Stockton Streets

Richmond, Va.

WHITE & YEATTS

AIR CONDITIONING AND HEATING CO.

Telephone 276-3515

3809 Dunraven Road

Richmond, Va. 23235

S. LEWIS LIONBERGER CO.

— General Contractor —

Commercial and Industrial



STEEL BUILDINGS

P. O. Box 4217
2714 Roanoke Ave., S.W.



Telephone 342-8984
ROANOKE, VA. 24015



CHESAPEAKE MASONRY CORP.

Masonry Contractors

St. Reg. #5649

708 Industry Drive
Phone 838-1682 P. O. Box 9049
HAMPTON, VA. 23670

CEDAR SHAKE & SHINGLES

Cedar Roofing

1344 Spring Hill Rd. Phone 893-4242

McLean, Virginia

COOPER ELECTRICAL CONSTRUCTION COMPANY

Electrical Contractors

COMMERCIAL



INDUSTRIAL

Va. St. Reg. #3205

Dial (919) 275-8439

1023 Huffman Street

GREENSBORO,
NORTH CAROLINA

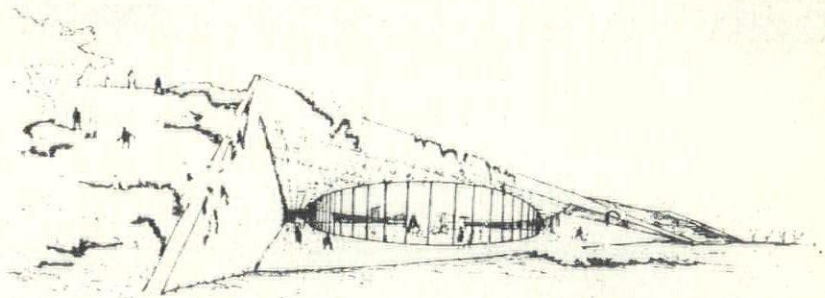
TERRASET ELEMENTARY SCHOOL

THE FAIRFAX COUNTY PUBLIC SCHOOLS SYSTEM, Owner

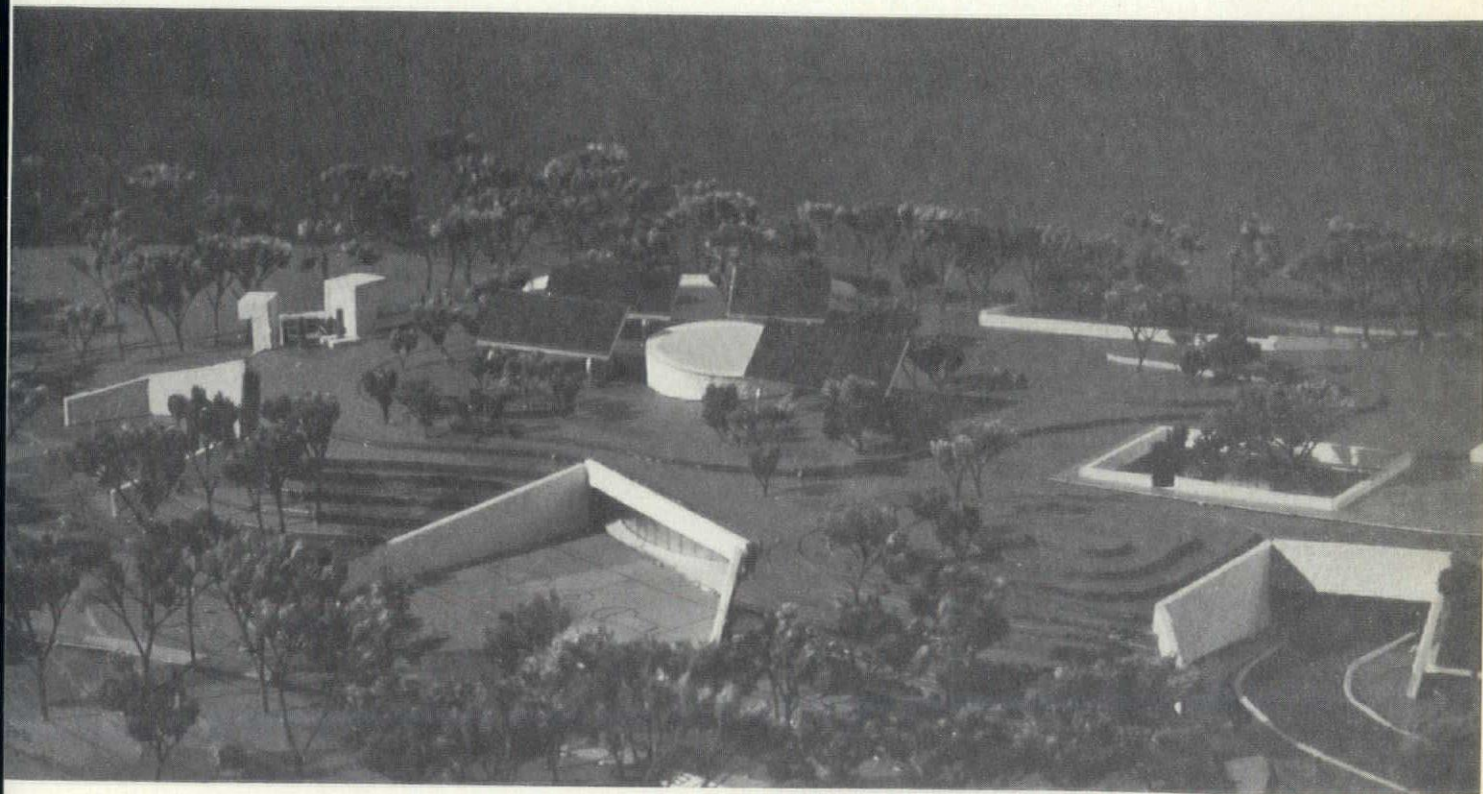
The fossil fuel reserves of the earth are finite. We have in the recent past experienced the fringes of the crisis to come when those reserves dwindle and become either unavailable or too expensive to obtain for the standard maintenance of our man made environment. It therefore becomes the responsibility of the design profession to create buildings which reduce energy requirements to an absolute minimum without detriment to either the function of the building, or its environment. In essence energy becomes the architect. It shapes the building.

If energy conservation is to dictate the architecture, so must function dictate the floor plan. This was the design challenge when the Fairfax County Public School System asked Davis, Smith & Carter, Inc. to design an elementary school in Reston.

The resulting design has been called "Terraset" school to better express its design concept. The implications of the design from an energy saving stand-



TYPICAL LEARNING CENTER EXTERIOR



ABLE

EQUIPMENT CO., INC.

2305 LACROSSE ST.
RICHMOND, VA. 23223
(804) 643-8493

RENTALS

SALES

NORTHSIDE
ELECTRIC COMPANY
ELECTRICAL CONTRACTORS

713 West Broad Street
Richmond, Virginia

Visit the

CARY COURT SHOPPING CENTER

Phone 804-353-1849
3122 West Cary Street
RICHMOND, VIRGINIA

JAMES STEEL FABRICATORS

CONSTRUCTION STEEL
COMMERCIAL — INDUSTRIAL

238 Telegraph Road
ALEXANDRIA, VIRGINIA

Phone 703-960-3300

R. L. DRESSER, INC.

Flooring Contractor

FRANCHISED DEALER FOR
ROBBINS FLOORING COMPANY



COMMERCIAL
INDUSTRIAL

ACOUSTICAL TILE — RESILIENT TILE
Telephone (919) 876-4141
4100 Winton Road
RALEIGH, NORTH CAROLINA 27609

LICENSED INSTALLER OF ROBBINS LOCK-TITE, PERMACUSHION, IRON BOUND AND SYNTHETIC FLOORS

Modern Paint and Color Center, Inc.

RETAIL & WHOLESALE STORE
Devco Paints • Athey Paints

Paint Removers • Brushes
Spackles • Antique Kits

Wall Paper & Vinyl Wall
Coverings

Other sundrie items

3010 Hilliard Road

Phone 266-9687
RICHMOND, VIRGINIA 23228

Modern Decorating, Inc.

Painting Contractors

COMMERCIAL — INDUSTRIAL
RESIDENTIAL

Color Harmony & Matching
Spray or Brush Work

References Cheerfully Given
FREE ESTIMATES

It Always Costs More Not to Paint
Box 9553

T M S MILLWORK

*Architectural
Millwork*

Phone 804-643-5073
Richmond, Virginia

Krick Plumbing & Heating

*Mechanical
Contractors*

COMMERCIAL — INDUSTRIAL

Phone 804-927-5284
5011 46th Avenue
Hyattsville, Maryland

point are considerable. The average cost of electrically heating a school in Fairfax County is 49¢ per sq. ft. per year. The Terraset design will cost 8.9¢ per sq. ft. per year to heat, or a saving of some 82% in energy consumption compared to the average. This besides initial capital savings in mechanical equipment costs of some \$90-100,000 compared to a school of similar size and design in an above grade situation. The photograph below illustrates the design with solar collectors in place forming covered play areas on the "roof" of the building. A grant application is being made to the National Science foundation to fund the solar panels. The use of solar collectors to assist the mechanical systems will further reduce costs to the point where under ideal conditions heating the building could cost as little as ½¢ per square foot per year or a saving of some 98.8% when compared to the 49¢ average.

The basis for the energy savings is twofold. Firstly the 2-3 foot earth cover over the building provides a high "thermal mass" which has the effect of cancelling out impact of exterior temperature changes, and in effect allows the mechanical systems to be designed to control internal heat build up rather than react to exterior temperatures. Literally no heat input is required in the building during the day for the whole operating year. Heat is generated solely by the lights and people within the building. Secondly the mechanical system which is an application of a heat pump with a double bundle heat exchanger uses a large water storage tank, and can claim heat of rejection from the refrigeration cycle needed to cool the internal heat load, at a rate at least 3 times more efficiently than heating provided by normal resistance heating methods. The 120° water generated by the cooling cycle is then used to offset peripheral heat loss during the day, provide domestic hot water, and offset cooling of the building during the night. Thus energy consumed performs 4 tasks simultaneously instead of as normally a single task. The significant point is that, once having assembled the system in this way, it can be applied to most other buildings categories in above grade situations with similar energy savings.

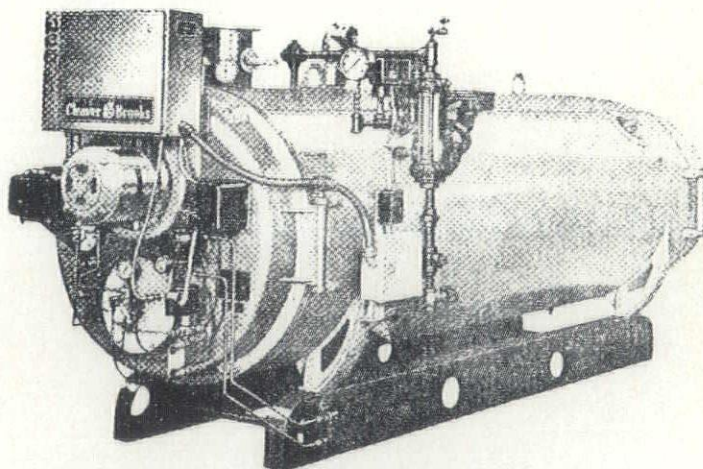


Bank interiors are our business.

We have the best resources available when it comes to making them functional and attractive. And behind the scenes there's a creative design department, a quality woodworking plant and nearly seventy-five years of experience. For more information call or write American Furniture and Fixture Co., Inc., 2823 East Main Street, Richmond, Va. 23223, Telephone (804) 649-9123.



Put Cleaver Brooks' In Your Plans . . .



There's a World of Difference !

W. WALLACE NEALE CO.

2307 WESTWOOD AVENUE

RICHMOND, VIRGINIA 23230

TELEPHONE 804-355-7484

THREE BRANCH YMCA'S BY GLAVE NEWMAN ANDERSON AND

NORTH RICHMOND

HANKINS & ANDERSON, INC.
Consulting Engineer, Mechanical

TUCKAHOE

SOUTH RICHMOND/CHESTERFIELD

W. J. DAVIS
Consulting Engineer, Structural

Interior Design by THE ARCHITECT

ROBERT M. DUNVILLE & BROS, INC.
General Contractor
North Richmond & Tuckahoe

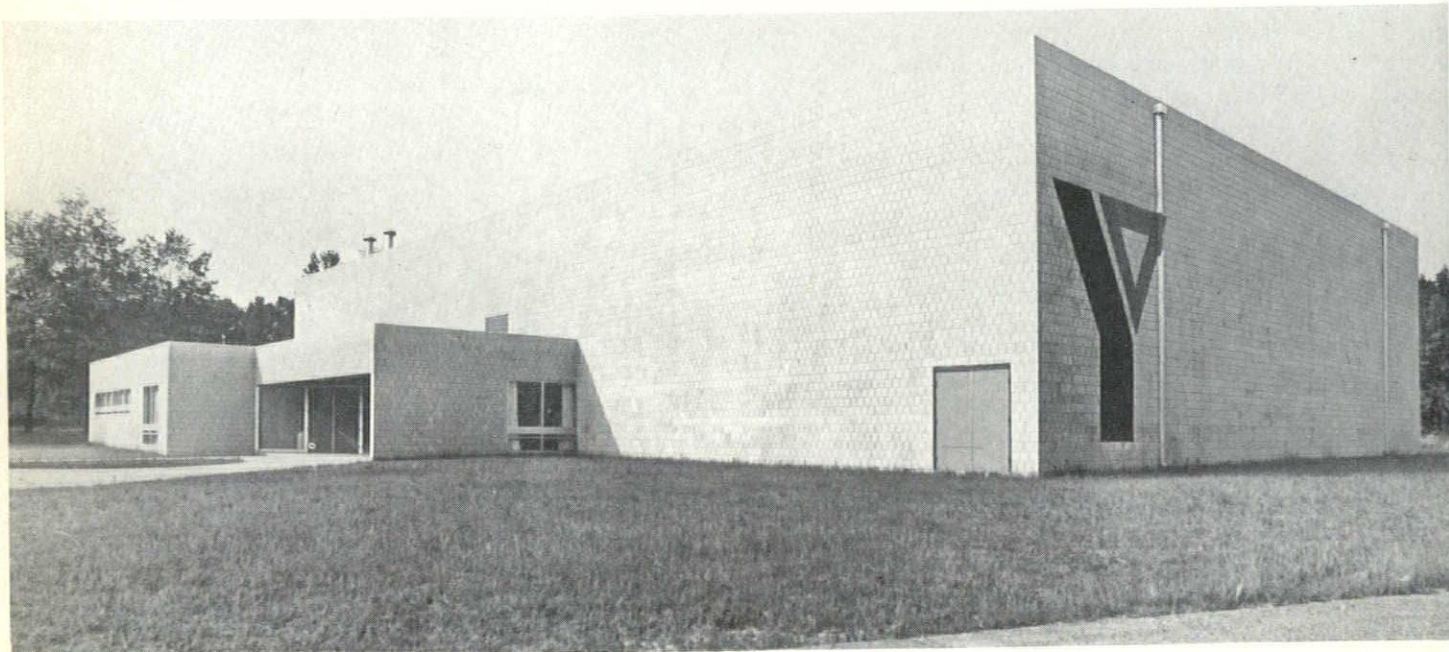
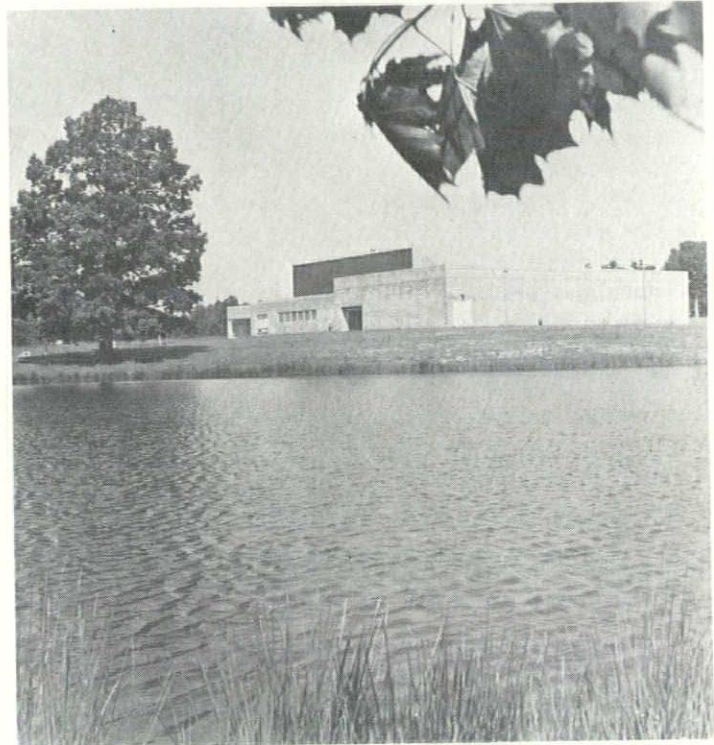
FRANK B. McALLISTER, INC.
General Contractor
South Richmond/Chesterfield

§ THE EXPANSION program for the branch YMCA's had long been in the planning stages, but rising building costs and problems in site selection delayed progress in the organization of the new building plans for the three existing branches.

In some of the branch neighborhoods, questionnaires were circulated in order to determine the most desirable main sports facility at that branch.

Future expansion by each location made up a big part of the overall program at each branch, as additional equipment and space would be added making the branches a complete community facility.

The program for each branch called for the same amount of basic administration and organization space in each building. The completed design provided the same structure for each location having administrative, locker



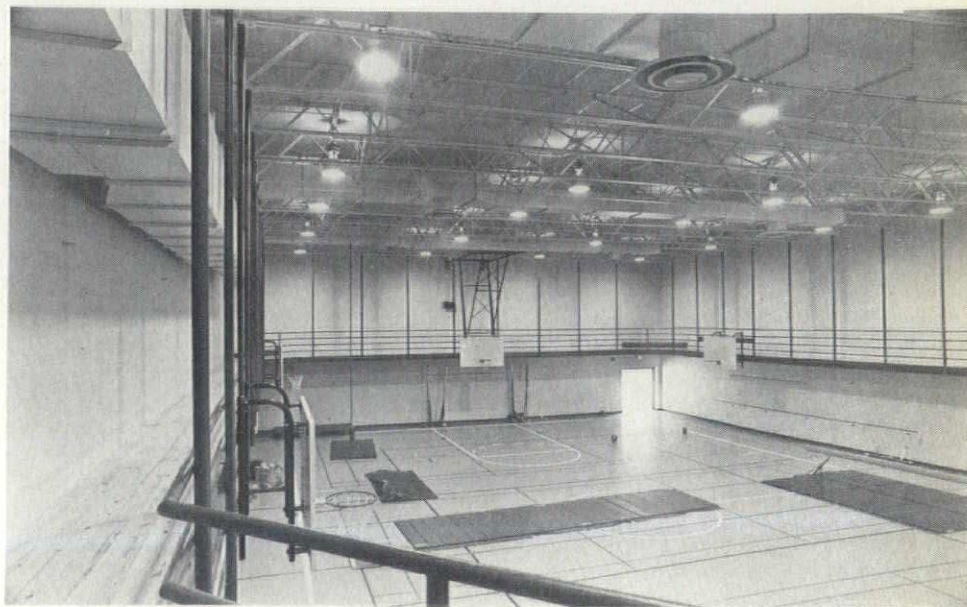
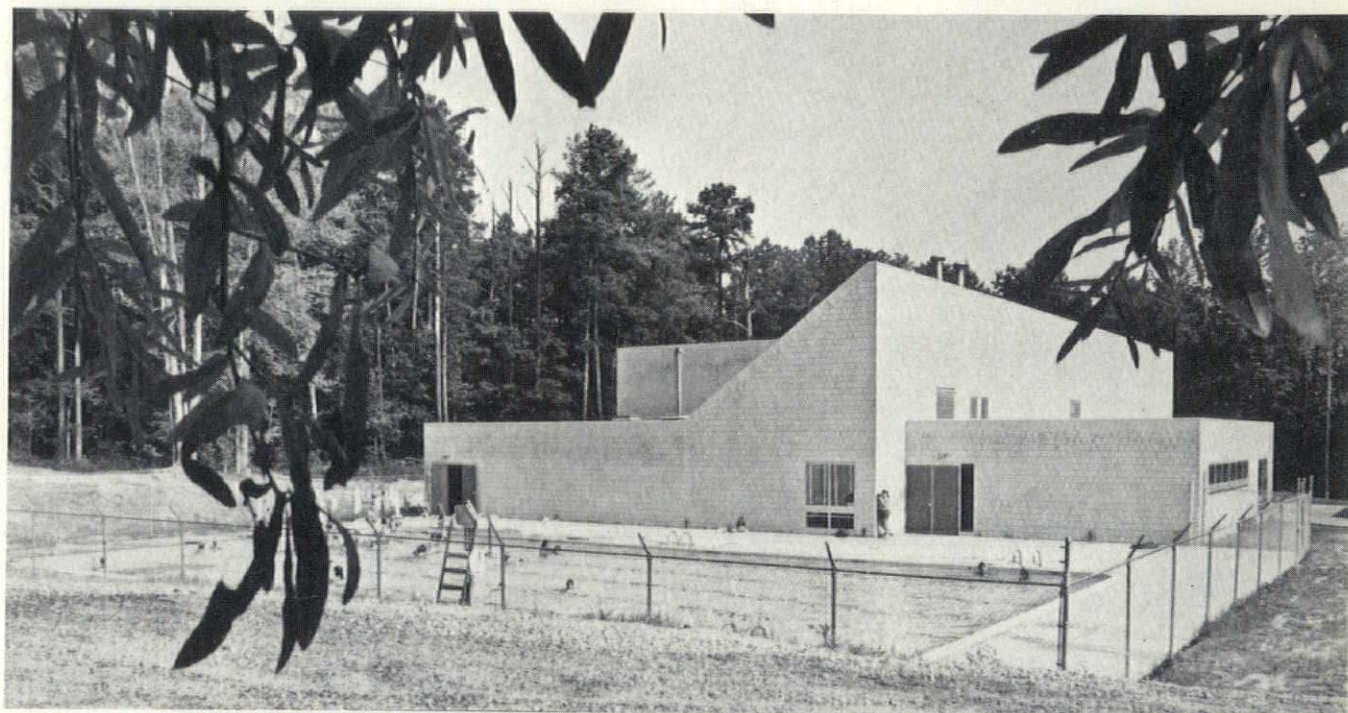
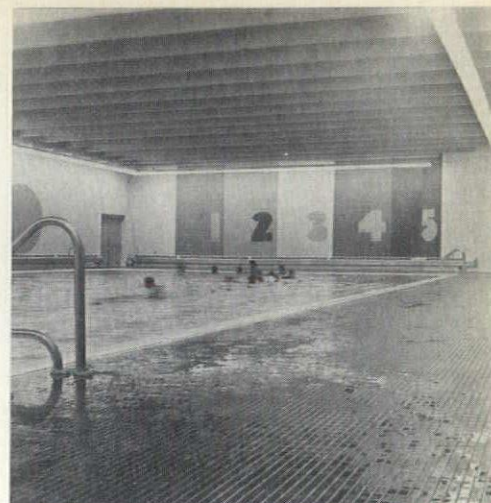
ASSOCIATES, INC. — ARCHITECT

and shower spaces for 90 men and women, club room and lounge area, totaling approximately 12,000 square feet. After each branch made the final selection between a natatorium or a gym facility, it was added to the main building body.

The South Richmond/Chesterfield Branch, located in Chesterfield County, selected the natatorium design using an aluminum competition sized pool. The Tuckahoe and North Richmond Branches decided on the gym facility. Each gym has a poured-in-place urethane floor with court markings and

floor plates for four different events and overhead gymnastic equipment. The Tuckahoe Branch added a ten foot wide suspended running track eleven feet above the gym floor and an outdoor swimming pool and tennis facility.

All of the buildings have load bearing, scored concrete masonry units as the exterior skin; painted concrete masonry as the typical interior wall finish with carpet and vinyl tile flooring. The penthouse floor level houses HVAC equipment and additional storage space covered with colored, ribbed aluminum roofing. Exterior window units are



Over Half-A-Century
Experience

Allied Glass Corp.

Call
233-9263

1200 BRUCE ST. (Just Off Commerce Rd.), RICHMOND, VA.

Gregory Construction Company, Inc.

GENERAL CONTRACTOR



RESIDENTIAL

COMMERCIAL

INDUSTRIAL

9410 Prince William Street

Phone 368-8181

MANASSAS, VIRGINIA 22110

L. J. HOY, INC.

Contractor and Builder

RESIDENTIAL — COMMERCIAL

St. Reg. #6108

Phone 622-8432

3112 Beachmont, Norfolk, Va. 23504

DANVILLE ELECTRIC COMPANY, INC.

Electrical Contractors

INDUSTRIAL—COMMERCIAL—RESIDENTIAL

E. B. (Tom) ABBOTT, President

210 Craghead Street

Telephone 792-7022

DANVILLE, VA. 24541

STRUCTURAL STEEL
DESIGN
FABRICATION
ERECTION



- LONG SPANS
- STEEL JOISTS
- ROOF DECKS
- JAIL CELLS
- PRISON EQUIPMENT
- ENGINEERING SERVICE

Helping to build a stronger Virginia . . .

Roanoke Iron & Bridge Works, Inc.

Roanoke, Virginia

Plants: Roanoke and Troutville

aluminum and accent paint colors on doors complete the exterior finishes.

Robert M. Dunville & Bros., Inc. of Richmond was general contractor for the North Richmond and Tuckahoe branches and handled foundations, concrete work and steel erection for both projects.

Frank B. McAllister, Inc. of Richmond was general contractor for the South Richmond/Chesterfield branch and handled excavating, foundations, and concrete work.

Subcontractors & Suppliers
North Richmond
(All Richmond firms)

D. A. Putney, Inc., excavating; Terminix, soil poisoning; James P. Dillard, paving contractor; Bowker & Roden, Inc., reinforcing; Allied Masonry Co., masonry contractor; Cruickshanks Iron Works Co., steel supplier; Guille Steel Products Co., steel joists & steel roof deck; J. B. Eurell Co. of Va., roof deck; Courtenay C. Welton, miscellaneous metal; T M S Builders Supply, millwork; Richmond Primoid, Inc., waterproofing; E. S. Chappell & Son, Inc., caulking & weatherstripping; and, Joe M. DeShazo Roofing Co., roofing.

Also, J. S. Archer Co., Inc., metal doors & frames; Walker & Laberge Co., Inc., aluminum storefront; J. G. Duggan, Inc., plaster contractor & gypsum board contractor; Richmond Tile Co., ceramic tile; John H. Hampshire, Inc., acoustical treatment & resilient tile; Powerlock Systems, special flooring; W. W. Nash & Sons, Inc., painting contractor; Harris Heating & Plumbing Co., Inc., plumbing, heating, ventilating & air conditioning contractor; and, Northside Electric Co., electrical contractor.

Subcontractors & Suppliers
Tuckahoe
(All Richmond firms)

R. B. Hall, excavating; Terminix, soil poisoning; James P. Dillard, paving contractor; Bowker & Roden, Inc., reinforcing; J. Carrington Burgess Masonry Contractor, Inc., prestressed concrete; Cruickshanks Iron Works Co., steel supplier; Guille Steel Products Co., steel joists & steel roof deck; J. B. Eurell Co. of Va., roof deck; Courtenay C. Welton, miscellaneous metal; T M S Builders Supply, millwork; Rich-

mond Primoid, Inc., waterproofing; E. S. Chappell & Son, Inc., caulking & weatherstripping; and, Joe M. DeShazo Roofing Co., roofing.

Also, J. S. Archer Co., Inc., metal doors & frames; Walker & Laberge Co., Inc., aluminum storefront; J. G. Duggan, Inc., plaster contractor & gypsum board contractor; Richmond Tile Co., ceramic tile; John H. Hampshire, Inc., acoustical treatment & resilient tile; Powerlock Systems, special flooring; W. W. Nash & Sons, Inc., painting contractor; Harris Heating & Plumbing Co., Inc., plumbing, heating, ventilating & air conditioning contractor; and, Northside Electric Co., electrical contractor.

Subcontractors & Suppliers
South Richmond/Chesterfield
(Richmond firms unless noted)

Dodson Brothers Exterminating Co., Inc., soil poisoning; Lee-Hy Paving Co., paving contractor; Bowker & Roden, Inc., reinforcing; Lone Star Industries, Inc., concrete supplier; Concrete Structures, Inc., prestressed concrete; Boschen Masonry, Inc., Ashland, masonry contractor; Welding Service Co., steel joists; Courtenay C. Welton, miscellaneous metal; Brisk Waterproofing Co., Inc., waterproofing; E. S. Chappell & Son, Inc., caulking; and, Whitley, Inc., built-up roof, roofing & roof insulation.

Also, Binswanger Glass Co., Inc., glass, windows & storefront; Architectural Hardware, Inc., metal doors & frames & hardware supplier; Miller Manufacturing Co., wood doors; F. Richard Wilton, Jr., Inc., gypsum board contractor; Stonnell-Satterwhite, Inc., ceramic tile; Fendley Floor & Ceiling Co., acoustical treatment & resilient tile; Marshall & Barns, painting contractor; Chester Products, swimming pool; Westover Plumbing & Heating, Inc., plumbing, heating & air conditioning contractor; and, Electrical Construction & Service, electrical contractor.

R. W. ASKEW NURSERIES, INC.

Roadside Development

Phone 804-539-0629

Suffolk, Virginia 23434

BROOK HILL CONSTRUCTION CORP. OF VA.

TRAFFIC SIGNAL INSTALLATION & MAINTAINANCE

ROADWAY LIGHTING—ELECTRICAL WORK

Phone 804-266-2461

1220 Mountain Road

RICHMOND, VIRGINIA



LONE STAR INDUSTRIES, INC.

CEMENT AND CONSTRUCTION MATERIALS GROUP
NORFOLK DISTRICT SALES OFFICE

977 NORFOLK SQUARE
NORFOLK, VIRGINIA
TELEPHONE 853-6701

Ready-Mixed Concrete

Sand Gravel Stone Slag

DELIVERIES 622-7164

High Pressure Steam Cured

Concrete Masonry Units

Wite Lite Masonry Blocks

Plain & Reinforced Concrete Pipe

Precast & Prestressed Concrete

TEES—BEAMS—COLUMNS—PILES

Barbgrip Wood Roof Trusses & Wall Components

arhbeton® Precast Architectural Concrete

DELIVERIES 853-6701



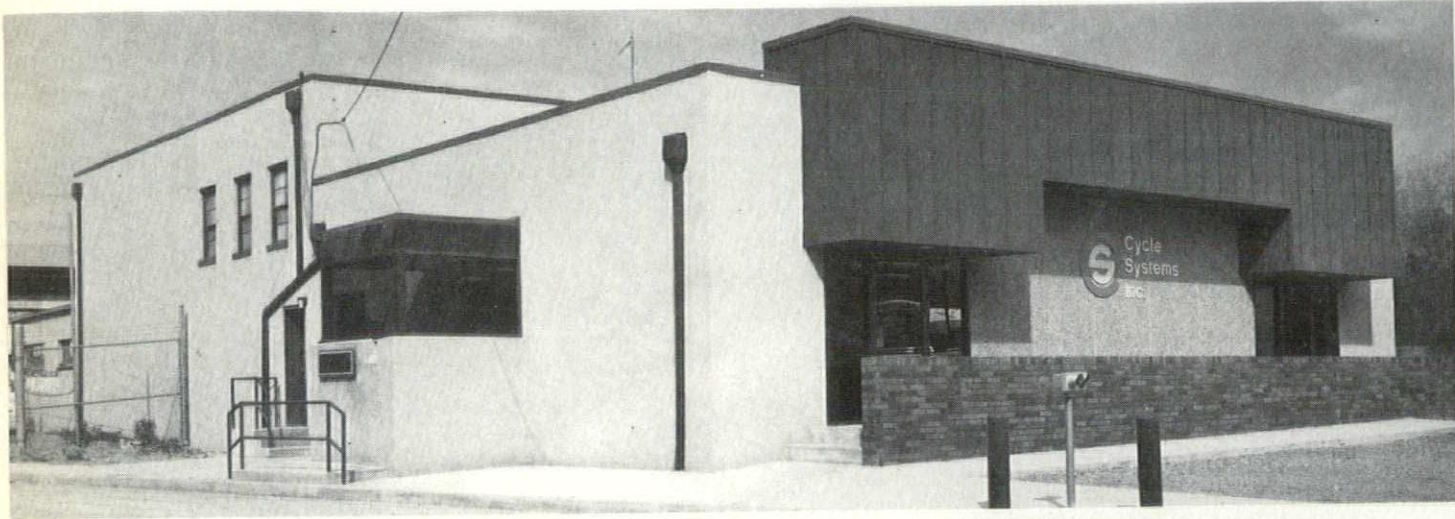
REAMES AND MOYER, INC. • MECHANICAL CONTRACTORS

8305 WASHINGTON HIGHWAY • P. O. BOX 9402 • RICHMOND, VIRGINIA 23228 • TELEPHONE 262-0111

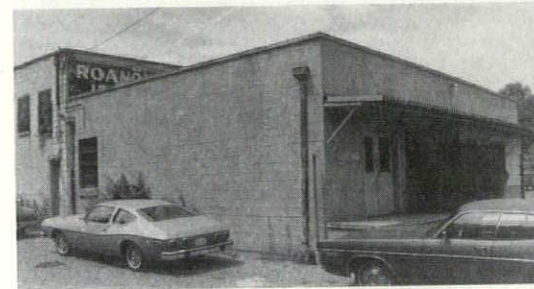
BYRON R. DICKSON, JR. - ARCHITECT

FACILITIES REMODELING FOR CYCLE SYSTEMS, INC.

DAYS CONSTRUCTION CO., INC.
General Contractor



§ CYCLE SYSTEMS, Inc., had its beginning in 1916 as Roanoke Scrap Iron. The company was founded by Jacob Brenner, who located his new business in downtown Roanoke and relocated to the present facility in 1952. In 1968 a waste automation division was formed, and in 1974 this division was merged with the scrap iron group to form the present company, Cycle Systems, Inc. At present the firm has four divisions.



1. Scrap iron and metal division
2. Waste paper division
3. Salvage and dismantling division
4. Waste management division

Today the firm is actively engaged in recycling and environmental related pursuits. Jacob Brenner's grandsons, Terry and Bruce have completely changed the traditional image of the yard known earlier as Roanoke Scrap Iron. With this new image came the need for new and expanded facilities.

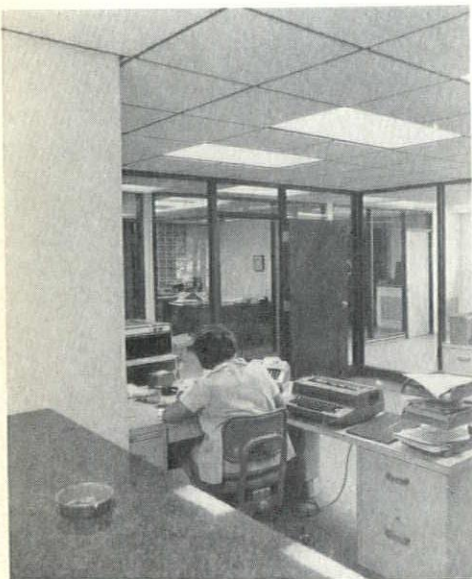
The image of waste and waste collecting activities has undergone a drastic metamorphosis with the awareness in our society of the need to protect our environment and preserve our resources. The junk collector of the past is now the recycling engineer of the present and is greatly appreciated for his contribution to conservation. No

better example of the change in image could be advanced than the evolution of Roanoke Scrap Iron & Metal Company into the progressive Cycle Systems, Inc. The up-date in image is complete with a contemporary identity symbol, progressive leadership and new ideas for advancing the state of recycling art.

The office facilities utilized by Cycle Systems, Inc. were constructed in several increments over a period of many years. Prior to this remodeling work, the major building was in need of extensive repair due to age, settlement and the use characteristics generally associated with scrap yards.

A new facility would allow the expression of this newly emerged discipline. The energies of the leadership could be reflected in a progressive

(Continued on page 95)





**PAINTING
WALLPAPERING**

ESTABLISHED 1914

Phone 355-1768

Contract & Retail Showroom
3445 W. Cary St.

Administrative Office &
Contract Warehouse
2924 W. Marshall St.

Richmond, Va. 23221

Chevelle Enterprises Ltd.

Carpentry

Dial 804-497-4804

5750 Princess Anne Rd.
Virginia Beach, Va.

C. B. SMITH

Acoustical Ceilings
and
Floor Covering

St. Reg. #9949

Phone 804/644-5772

1511 Brook Rd.
Richmond, Va. 23220

Davis H. Elliot Co., Inc.



Telephone (703) 345-1545

ELECTRIC LINE CONSTRUCTION AND
MAINTENANCE

SUB STATION CONSTRUCTION
COMMERCIAL — INDUSTRIAL WIRING

1920 Progress Drive, S.E.
Roanoke, Va. 24013



Zip Code 22901 — Area Code 804

WRITE General Material & Brochures

RAY'S PLASTERING CONTRACTOR

STUCCO — ACOUSTICS

RAYMOND W. ELEY—Owner

4825 Manor Ave.

PORTSMOUTH, VA. 23703

Phone 484-1101

Eastern Building Supply Co., Inc.

Distributors

ESTABLISHED 1931

FACE BRICK • GLAZED STRUCTURAL FACING TILE

Richmond — 648-0992

Norfolk — 622-5840

J. CARRINGTON BURGESS MASONRY CONTRACTORS, INC.

St. Reg. #9886

RESIDENTIAL — COMMERCIAL — INDUSTRIAL

8513 Mark Lawn Drive

Dial 270-1131

Richmond, Va. 23229

J. E. CAMPBELL Plumbing, Heating & Air Conditioning, Inc.

St. Reg. #9083

707 Industry Drive

Dial 826-0600

HAMPTON, VIRGINIA 23669

P. O. Box 9046

Payne Construction Co.

General Contractors

Commercial — Industrial

Phone 804-292-4487

North Main Street

BLACKSTONE, VIRGINIA

COPELEY HILL GRADUATE HOUSING

HANKINS AND ANDERSON
Consulting Engineer
Mechanical/Electrical

R. E. LEE & SON, INC.
General Contractor

DAN HART
Photography

§ THE UNIVERSITY'S program required housing for 200 students in the vicinity of the Graduate Center of the Law School-Graduate School of Business Administration Complex. Construction and design were to be similar to the conventional apartments offered by the commercial housing market in order to be competitive in terms of construction cost, rent, and maintenance. The housing was to relate harmoniously with the existing Married Student Housing.

In response to student preference and in accordance with the building committee recommendation, 50 apartments were planned, each accommodating 4 students and containing approximately 250 gross square feet per student. Brick, pre-finished textured plywood, and painted medium density overlay plywood were the primary exterior

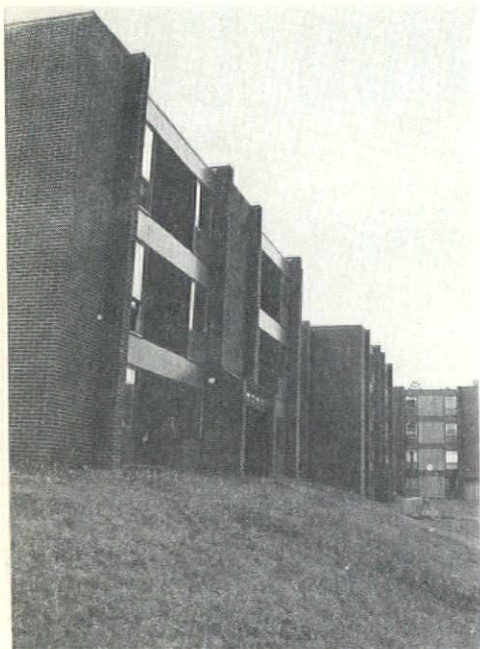
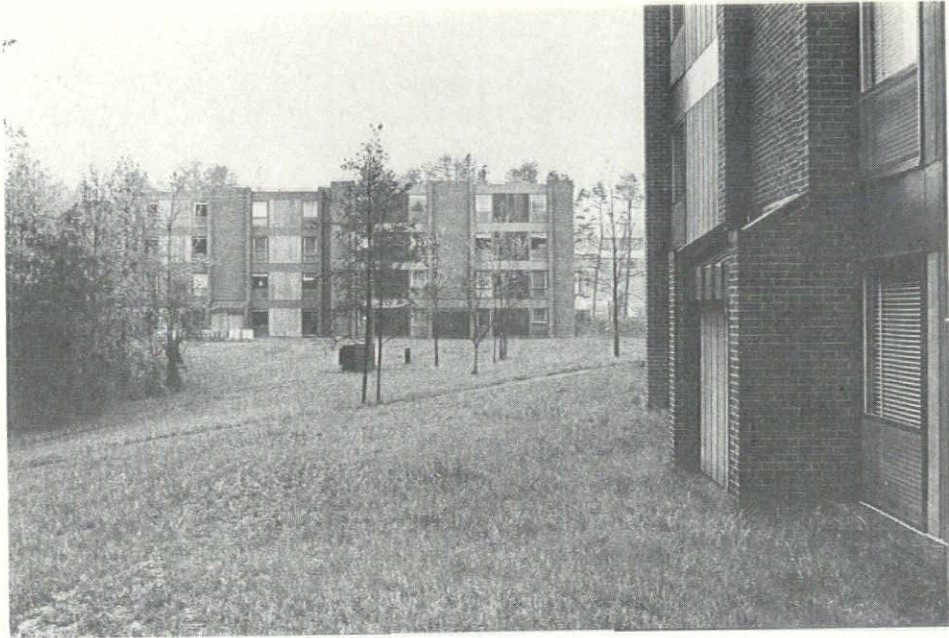
materials. Laundry rooms, electric equipment rooms, and stairs were accented with terne metal shed roofs.

R. E. Lee and Son, Inc. of Charlottesville was general contractor and handled concrete work, masonry work, carpentry, plaster and gypsum board work.

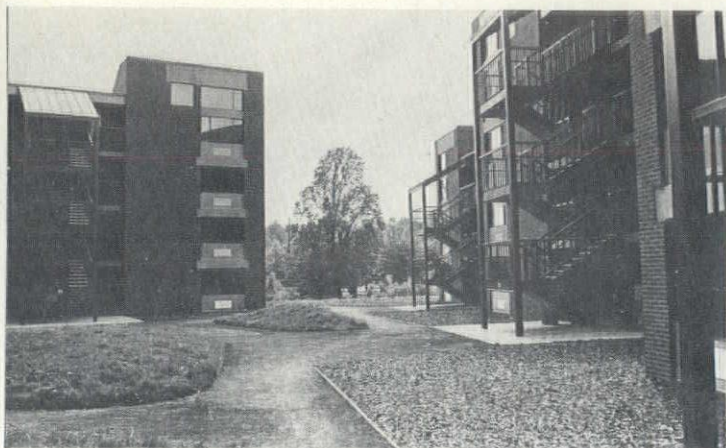
Subcontractors & Suppliers

From Charlottesville were: Albemarle Construction Corp., excavating; Allan G. Dillard, Jr. Paving, Inc., paving contractor; Valley Steel, reinforcing; Allied Concrete Co., concrete supplier; E. M. Martin, Inc., waterproofing, roofing & sheet metal; and Charlottesville Glass & Mirror Corp., windows.

Others were: Strescon Industries, Inc., Baltimore, Md., prestressed concrete; Old Virginia Brick Co., Salem, masonry supplier; Riverton Lime & Cement Co., Inc., Riverton, mortar; Augusta Steel Corp., Verona, miscellaneous metal; Miller Manufacturing Co., Inc., Richmond, millwork; Boro Wood Products Co., Inc., Bennettsville, S. C., cabinets; American Steel Products Corp., Woodbridge, metal doors & frames; Skyline Paint & Hardware Co., Roanoke, hardware supplier; E. S. Chappell & Son, Inc., Richmond, terrazzo; L. R. Brown, Sr., Roanoke, painting contractor; and, Inland-Ryerson Construction Products Co., Baltimore, Md., equipment.



LAMBETH FIELD STUDENT HOUSING



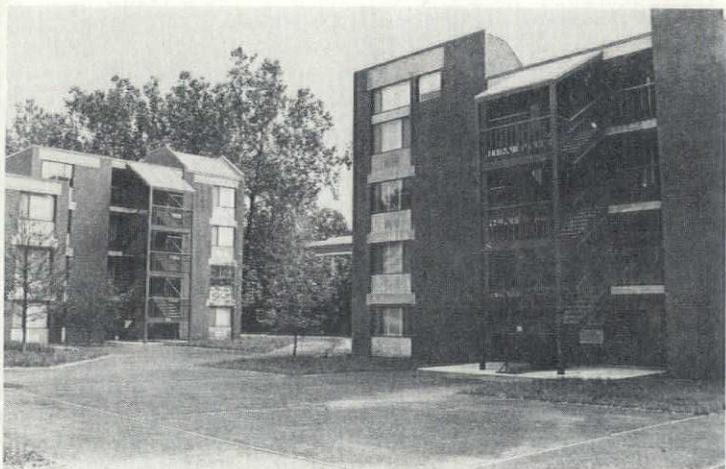
KENNETH DeMAY
SASAKI DAWSON DeMAY ASSOCIATES
ASSOCIATED ARCHITECT

HANKINS AND ANDERSON
Consulting Engineer
Mechanical/Electrical

ST. CLAIR, CALLAWAY AND FRYE
Consulting Engineer, Structural

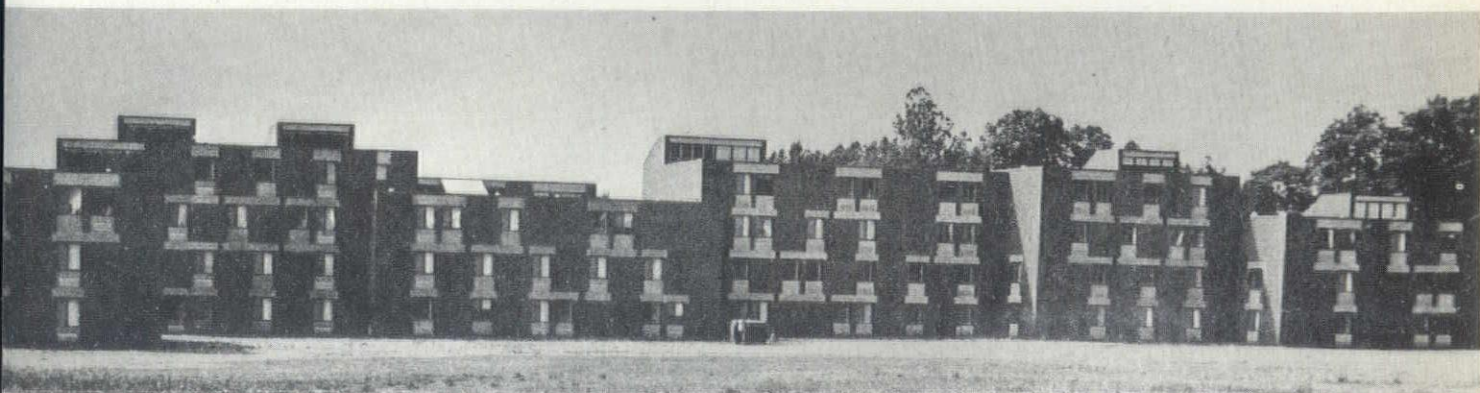
R. E. LEE & SON, INC.
General Contractor

DAN HART
Photography



§ WITH THE URGENCY for more student housing and increased need expected as a consequence of the projected growth of the total student enrollment, the University sought to provide space for approximately 1,000 additional students. In lieu of the conventional bedroom dormitories with associated social and service rooms, the program called for apartments containing bedrooms, living-dining-kitchen rooms, and bathrooms. This plan presented a high level of flexibility since each apartment permitted occupancy by either 4 to 6 students, a married student and family, or a junior faculty advisor and family.

The program was met by arranging the 26 buildings of the complex around the western edge of the upper field thus preserving the existing covered colonade, seating, and athletic field. The buildings face a "pedestrian



HALL-HODGES CO., INC.

Reinforcing Steel

WIRE MESH—EXPANSION JOINT

CORRUFORM

CECO WINDOWS & DOORS

Steel Building Products

Deliveries by Rail or Truck

Phone 804-625-4201

1344 Ballentine Blvd.

NORFOLK, VIRGINIA

W. M. JORDAN CO., INC.

Commercial — Industrial — Governmental

St. Reg. #4636



11010 Jefferson Ave.

Phone 596-6341

NEWPORT NEWS, VIRGINIA 23601

E. M. Martin, Inc.

CHARLOTTESVILLE, VA.

Roofing and Sheet Metal
Contractors

AIR CONDITIONING

HEATING — VENTILATING

Phone 293-8177

821 Albemarle

P. O. Box 749

Charlottesville, Va.

HAMMOND MASONRY CORP.

Masonry Contractors

St. Reg. No. 5348

Phone 737-6087

SANDSTON, VA. 23150

street" which will have as a focal point the Commons Building presently under construction. Parking is provided in the lower field bordering Emmett Street. Cement plaster "lintels" and alternating monitor windows are dominant features in the design.

R. E. Lee & Son, Inc., of Charlottesville, was general contractor and handled concrete work, masonry work, carpentry, and plaster and gypsum board work.

Subcontractors & Suppliers

Charlottesville firms were: Albemarle Construction Corp., excavating; Allan G. Dillard Jr. Paving, Inc., paving contractor; Allied Concrete Co., concrete supplier & block supplier; E. M. Martin, Inc., waterproofing, roofing & sheet metal; Charlottesville Glass & Mirror Corp., windows; and, Phillips Building Supply, Inc., steel studs.

Others were: Bethlehem Steel Corp., Richmond, reinforcing; Strescon Industries, Inc., Baltimore, Md., prestressed concrete; Old Virginia Brick Co., Salem, brick supplier; River-ton Lime & Cement Co., Inc., River-ton, mortar; Augusta Steel Corp., Verona, steel roof deck & miscellaneous metal; Miller Manufacturing Co., Inc., Richmond, millwork; and, Boro Wood Products Co., Inc., Bennettsville, S. C., cabinets.

And, American Steel Products Corp., Woodbridge, metal doors & frames; Contract Hardware, Lynchburg, hardware supplier; E. S. Chappell & Son, Inc., Richmond, weatherstripping; Manson & Utley, Inc., Richmond, resilient tile; Miller & Rhoads, Inc., Richmond, carpet; L. R. Brown, Sr., Roanoke, painting contractor; Architectural Hardware, Inc., Richmond, bath accessories; Cutler Mail Chute Co., c/o John Bagley, Richmond, mail boxes; Inland-Ryerson Construction Products Co., Baltimore, Md., access doors; Sullivan Mechanical Contractors, Inc., Shenandoah, plumbing, heating, ventilating & air conditioning contractor; and, The Howard P. Foley Co., Richmond, electrical contractor.

Bryant's Plumbing & Heating Corp.

Mechanical Contractors

St. Reg. #8727

COMMERCIAL — INDUSTRIAL

P. O. Box 4151

MARTINSVILLE, VA. 24112

Phone (703) 638-2321

P. E. EUBANK & COMPANY

Contractors

Concrete & Excavating

COMMERCIAL & INDUSTRIAL

1730 Kelly Road

Richmond, Va. 23230

804/355-8555

AUGUSTA STEEL CORPORATION

Miscellaneous Steel, Steel Roof Decks, Windows

Steel Joist Under Roof Deck

Sonneborn Building Products

COMMERCIAL — INDUSTRIAL

— Contact —

A. R. (Pete) Gieson

Boyd R. Olson

James C. Wilson

Sherry W. Marshall

P. O. Box 980

VERONA, VIRGINIA

Phone 703-886-2301

SAFETY and ASPHALT PAVING IS OUR BUSINESS

THINK
SAFETY

ON YOUR JOB
IN YOUR HOME
ON THE ROAD

AIR & WATER
let's make them perfectly clear!



Protect Our Environment
It's Everyone's Business



Asheboro, N.C.
Burlington, N.C.
High Point, N.C.
Reidsville, N.C.

Greensboro, N.C.
An Equal Opportunity Employer

Danville, Va.
Martinsville, Va.
South Boston, Va.
Eden, N.C.

CLARK, NEXSEN AND OWEN - ARCHITECT/ENGINEER

LIBRARY FOR DAVIDSON COLLEGE

J. RUSSELL BAILEY - ASSOCIATED ARCHITECT

FRAIOLI-BLUM-YESSELMAN ASSOCIATES
Consulting Engineer, Structural

RICHARD K. WEBEL
Landscape Architect

H. R. JOHNSON CONSTRUCTION CO., INC., General Contractor

§ THE BRICK, stone and glass exterior of the new E. H. Little Library at Davidson College reflects what one can expect of its interiors. Moving across the brick and bluestone Richardson Plaza amid bench height brick wall planters, the tinted glass wall behind monumental limestone columns emphasizes the magnitude of this structure. Beside the entrance a bronze plaque honors Mr. Little. Passing thru doors of the same bronze tinted glass that composes the total facade of the building one approaches directly ahead the sweep of the reference desk behind which are the glass-walled reference offices. On the left are two banks of walnut card catalogues with slate writing shelves. Walnut also covers the

nearby circulation desk. The floor is travertine marble, and beyond it stretches green carpet, creating a natural contrast with the walnut finish of furniture and desks. On the right of the entrance is an open interconnecting staircase. Its walnut treads covered with green carpet and brushed-aluminum railing climb past two-story glass to the top floor as well as down to the ground floor. At the southern end are two-story windows, overlooking the dogwood grove to the south. Arranged before the windows are lounge furniture and study carrels. The north end of the main floor contains staff offices. Two elevators and four enclosed stair exits serve the three floors.

On the ground floor are additional



stacks and numerous study areas one of which is available twenty-four hours a day. A gold carpet is used on the floor. Along the west wall are 25 faculty research carrels, each six by eight feet. This floor also contains four small offices for faculty emeriti. Near the north service entrance is a control room, monitoring temperature and mechanical conditions and a large mechanical equipment room which provides the building with total air control.

The top floor contains the remainder of the college's book collection. Many of the student carrels and study tables are placed throughout the stacks on this

the perimeter of the building and contains additional mechanical and air-handling equipment.

The mechanical system incorporates energy saving features without penalizing the stringent temperature and humidity requirements. A high velocity dual duct system is utilized for the office areas, Rare Book Room, and study carrels. The book stack areas incorporate heat of light system, consisting of a single duct supply air connection to mixing boxes that blend hot air above ceiling plenum with the supply air. When the lights in a book stack area are turned off, the air handling unit serving the area is shut down thus



floor and a special area is provided for the more than 70 daily newspapers the library receives, with a smoking lounge nearby. At the south end a balcony overlooks the main floor. At the north end are ten faculty research carrels and two group study rooms. A small typing room is provided, as well as a first aid room. A staff lounge is at the northeast corner. At the northwest are the Davidsoniana Room and the Smith Rare Book Room. Off the Rare Book Room are two special display rooms, each topped by a dome ceiling radiating soft, reflecting light.

A large penthouse on the roof is screened by a high balustrade around

resulting in an energy savings. A perimeter air distribution system operates to maintain space temperature. Two centrifugal chillers, each sized for 2/3 of the building load, provide the cooling. A complete system of smoke and ionization detection devices is located throughout the building.

Structural framing system is a post tension pre-stressed ribbed concrete flat slab supported on reinforced concrete columns that have an interior spacing of 30' in both directions and a perimeter spacing of 15'. Post tensioning was achieved using unbonded

(Continued on page 96)

JOHN W. DANIEL & CO., INC.

General Contractors

St. Reg. #2029



Telephone 792-1111

P. O. Box 1628

DANVILLE, VIRGINIA 24541

Phone 271-0738

2924 Bells Road



COMMERCIAL — INDUSTRIAL

P. O. Box 3156

Richmond, Va. 23235

**We are solving industries
OSHA & F.D.A.
Problem Walls & Floors**

Pompei has been called in to solve problems of eroded concrete floors or tile floors in unsanitary condition in many food processing plants in Tidewater. We have successfully installed new resin floors in unbelievably short times. We also have non slip coatings to meet OSHA requirements.

If wall coatings are your problem we have the Desco line of resin coatings to remedy this situation at reasonable prices.

You can count on our Years of Experience

DEX-O-TEX FLOORS DESCO COATINGS

POMPEI INC.

Newport News, Va.
804-244-7341



WELDING SERVICE, INC.

CERTIFIED WELDERS — ASME-AWS

Any Type of Welding

Boiler Repairing — Iron Works

Railings — Heavy Equipment

Structural Steel

Pipe — Aluminum — Stainless

3436 Lee Highway

Dial 703-524-4322

ARLINGTON, VA.

GLAVE NEWMAN ANDERSON AND ASSOCIATES, INC. ARCHITECT

1st UNITED PRESBYTERIAN CHURCH

W. J. DAVIS, Consulting Engineer, Structural
Interior Design by THE ARCHITECT
JaBAR CONSTRUCTION COMPANY, General Contractor

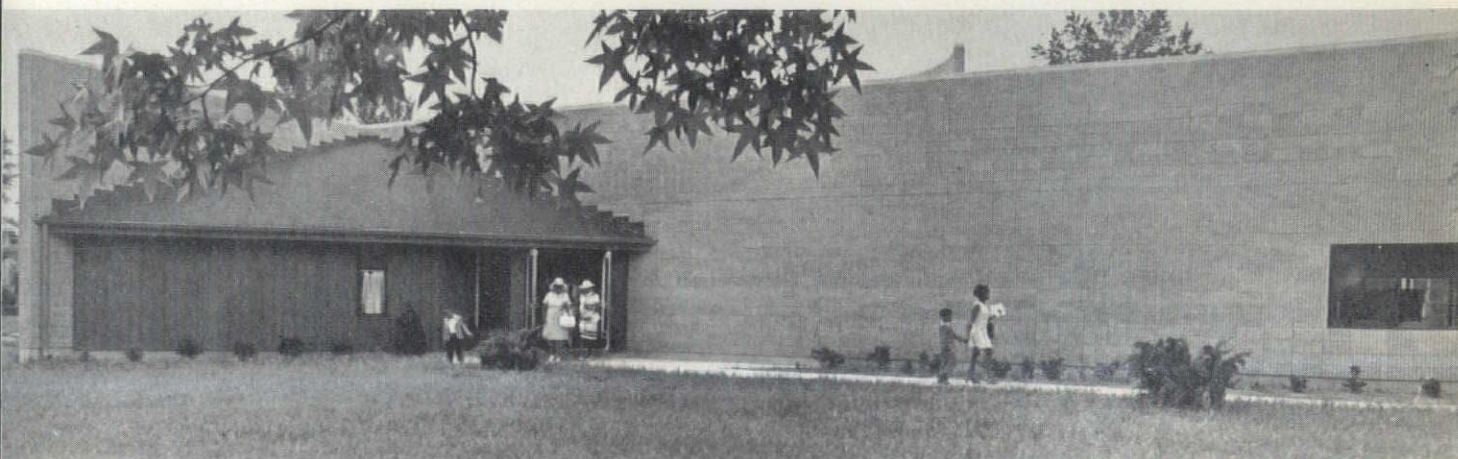
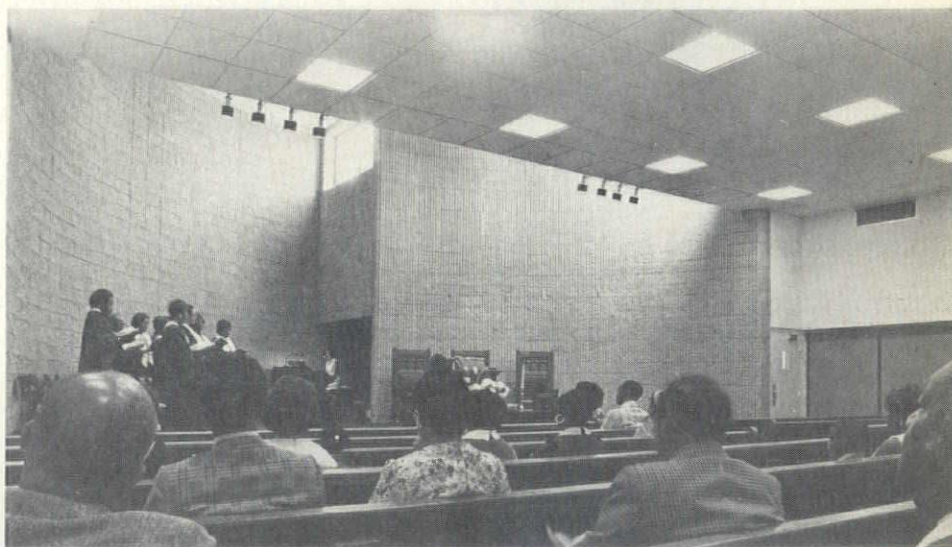
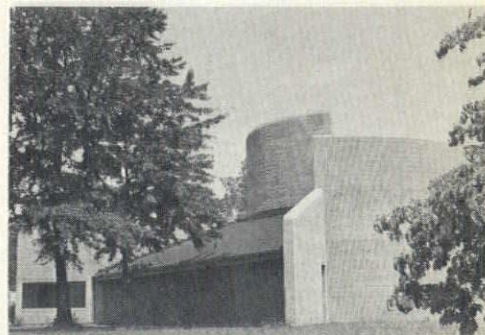
THE ORIGINAL church, built in 1892, was located on Leigh Street off Belvedere Street in the heart of one of Richmond's oldest neighborhoods. As time passed, this general area became more and more commercial and many long time members moved to more suburban areas. The church, realizing the need to renovate its present building, faced the usual problem of rising building costs along with the possibility of the city widening a boundary street. Thus, the congregation started working towards relocation and a new building.

The new two-acre site located at the intersection of North Avenue and Ladies Mile Road provides for off street parking and a 4,000 square foot building.

The building program requirements outlined by the congregation called for seating for 150 persons in the sanctuary with expansion for another 50 in the future. They also wanted a multi-purpose space that could be used as a Sunday School area for the younger members and a social hall with kitchen facilities for everyone. A Pastor's study

and general office space gave the building a total of 4,200 square feet.

The selected building design used a colorful folding wall as a divider to create two spaces; one as a Sanctuary area with fixed seating for 100 persons and another space which could seat additional persons facing the Sanctuary or act as a social or Sunday School space having access to the kitchen through a pair of folding pass-thru doors. The



Winebarger *Church Furniture*

P. O. BOX 4157 LYNCHBURG, VIRGINIA 24502

- PEWS • CHANCEL FURNITURE • STAINED GLASS WINDOWS
- Free Interior Design And Consultation
- Service For Building And Renovation Programs

"A Tradition of Fine Quality for Over 30 Years"



Oscar T. Sours Excavating Contractor

Excavating & Grading

Site Preparation & Foundation Specialist

Route 2, Box 1

Luray, Virginia 22835

MARTIN MATHIS COMPANY

Drywall & Painting Contractor Partitions

St. Reg. #13497

609 20th St.

Virginia Beach, Va. 23451

WHITEPRINTS

DRAFTING SUPPLIES

Photostat Copies—Xerocopy
Multilith

Cronaflex Film Tracings
Fast Confidential Service
Pickup and Delivery

Bill Fabry Reproduction & Supply

Corporation

212 E. Franklin St.

RICHMOND, VA. 23219

644-3648 OR 649-1916

MAIL ORDERS HANDLED PROMPTLY



1860
XEROGRAPHIC
COPYING SERVICE

H. A. Nunn Construction Co., Inc. Contractor

Dial 572-3360



VIRGINIA, VIRGINIA 24598

two-story carpeted chancel area carries the same curved, textured concrete block wall as used at the exterior, as the only interior finish in that space. The natural light coming through the two glazed clerestories creates an unusual light pattern during the morning services. Wall brick, dated corner stone and a reconditioned stained glass window from the original Church were used in the Narthex in memory of the structure. Natural slate flooring and painted wood paneling complete the finishes of this space.

The remaining areas contain study, general office areas and choir dressing.

The exterior has textured concrete block with portions of 1 x 6 redwood siding as finishes with bronzed aluminum windows.

The natural exterior finishes with the warm interior conditions give the members and guests a warm friendly welcome.

JaBar Construction Company of Richmond was general contractor and handled foundations and concrete work.

Subcontractors & Suppliers
(Richmond firms unless noted)

Mechanicsville Backhoe & Excavating Co., Inc., excavating; Bowker & Roden, Inc., reinforcing; M. D. Knox, Emporia, masonry contractor; Holmes Steel Co., Inc., steel supplier, steel erection, steel joists & steel roof deck; Miller Manufacturing Co., Inc., millwork; E. S. Chappell & Son, Inc., caulking; and, Richmond Roofing Co., Inc., Ashland, built-up roof & roofing.

Also, Creative Stained Glass, glass (stain reconditioning); J. S. Archer Co., Inc., metal doors & frames; W. H. Stovall & Co., Inc., windows; C. Brown, gypsum board contractor; Fendley Floor & Ceiling Co., acoustical treatment & resilient tile; W. W. Nash & Sons, Inc., painting contractor; Triangle Plumbing & Heating, Inc., plumbing contractor; White & Yeatts Heating & Air Conditioning, air conditioning contractor; and, Hill Electrical, Inc., Mechanicsville, electrical contractor.

G. L. Cline & Son, Inc.

General Contractors

St. Reg. # 6137

COMMERCIAL — INDUSTRIAL

3110 Victory Blvd.

Phone 487-5396

PORTSMOUTH, VA. 23702

Herring Bros. Erection Co., Inc.

CAULKING SPECIALIST

WILLARD E. HERRIN, JR.

President

P. O. Box 7153

Phone 804-399-8327

Portsmouth, Va. 23707

Richmond Glass Shop, Inc.

"SERVING RICHMOND OVER 50 YEARS"

GLASS OF ALL TYPES

- PLATE GLASS
- WINDOW GLASS
- PATTERN GLASS
- MIRRORS FOR DOORS & MANTELS

SHOWER & TUB ENCLOSURES INSTALLED

ARCHITECTURAL METAL STORE FRONT CONSTRUCTION

DISTRIBUTORS OF

PAINTS • VARNISHES • ENAMELS • STAINS

24-HOUR EMERGENCY PLATE GLASS SERVICE

DIAL 804/643-7394

814 W. BROAD ST., RICHMOND, VA. 23220

L. C. SMITH, INC.

Brick Specialist Since 1932

Serving

Northern Virginia

Metropolitan Washington & Maryland

Phone 703-751-5420

5920 Farrington Ave., Alexandria, Va. 22304

Howard Johnson's

Motor Lodge

Free
Advance Reservation
Service
Call 347-4141

- Swimming Pool
- Room Telephones
- Color Television
- Golf
- Individually Controlled Heat and Air Conditioning

*We Honor All Major
Credit Cards*

On The By-Pass-Rts. 211-15-29-17
WARRENTON, VA. 22186

Arlington Woodworking & Lumber

— ARCHITECTURAL MILLWORK —

PHONE 893-4770

1560 SPRING HILL ROAD, MCLEAN, VA. 22101

WILLIAM HOTTE

Drywall Contractor

1220 N. Vernon St.

Arlington, Virginia

Telephone 703-524-8253

C. H. LAWSON, INC.

General Contractors

COMMERCIAL — INDUSTRIAL — RESIDENTIAL

Specializing in

Site Clearing & Excavation

Phone 804-229-3232

Waller Mill Road

WILLIAMSBURG, VA.

BRUCE SCOTT CONSTRUCTION



GENERAL CONTRACTING
450 WEST BROAD STREET
FALLS CHURCH, VA. 22046
TELEPHONE 703/532-4315

SOUTHPORT OFFICE PARK

BREMNER, YOUNGBLOOD, SHARP, INC.
Consulting Engineer, Civil

SOUTHPORT CORPORATION
General Contractor

COMMONWEALTH FILMS, INC.
Photography

§ **SOUTHPORT**, Chesterfield County's first planned light industrial and commercial office park, will offer facilities for business and professional offices, light industry, retail and service outlets, financial services, clubs and restaurants, and a motel.

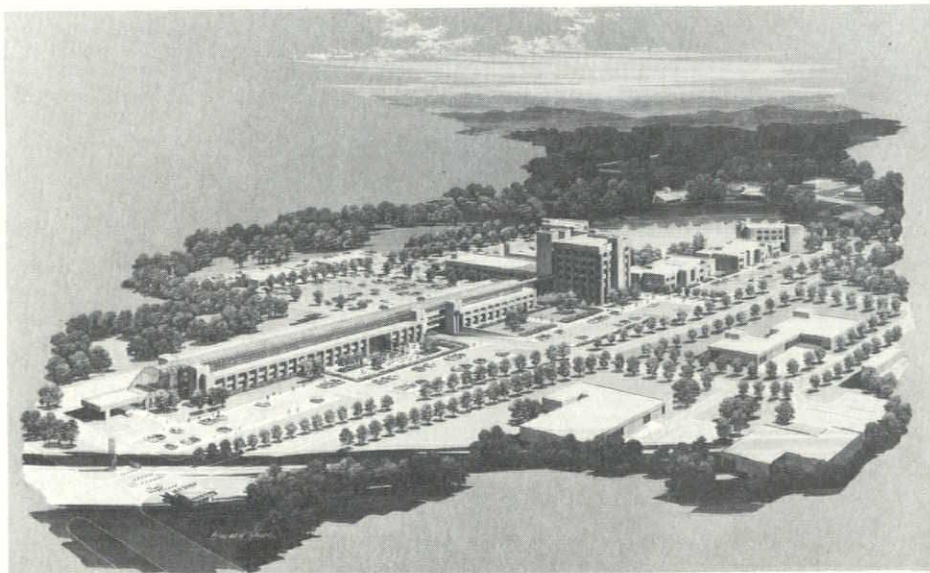
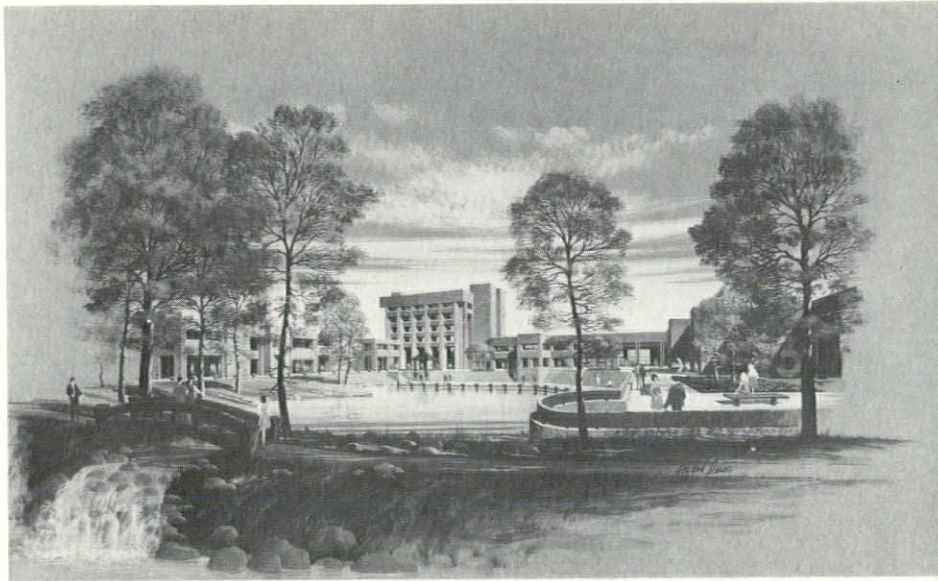
The proposed 75-acre complex being developed by Southport Corporation will be a major addition to Chesterfield County's rapidly developing Route 60 growth corridor between Chippenham Parkway and the proposed Route 288 beltway. Two guiding principles form the basis for the park:

1. The development of a suburban employment center close to suburban population concentrations;
2. The creation of a complete multi-use office and business environment, with recreational amenities in a relaxing park-like setting.

The master plan by Moseley-Hening Associates, Inc., proposes a full range of types of office and light industrial space from rental, to condominium for sale, to land parcels for sale and development by the purchaser. The master plan allows a considerable variety in parcel sizes and building types and sizes. Architectural controls administered by an architectural board of review comprised of property owners will ensure compliance with the overall master plan objectively.

Approximately twenty-two acres are planned as a multi-use office and business center and thirty-seven are for light industrial office/warehouse use. The proposed multi-activity center will provide approximately 350,000 square feet of office space in three-story

(Continued on page 65)



CLOVERLEAF OFFICE PARK

JOHN E. HARRIS

**Consulting Engineer
Mechanical/Electrical**

ALVIN W. DUNBAR

Consulting Engineer, Structural

BREMNER, YOUNGBLOOD, SHARP, INC.

Consulting Engineer, Civil

REALTY INDUSTRIES, INC.

Owner/General Contractor

Photography by the ARCHITECT

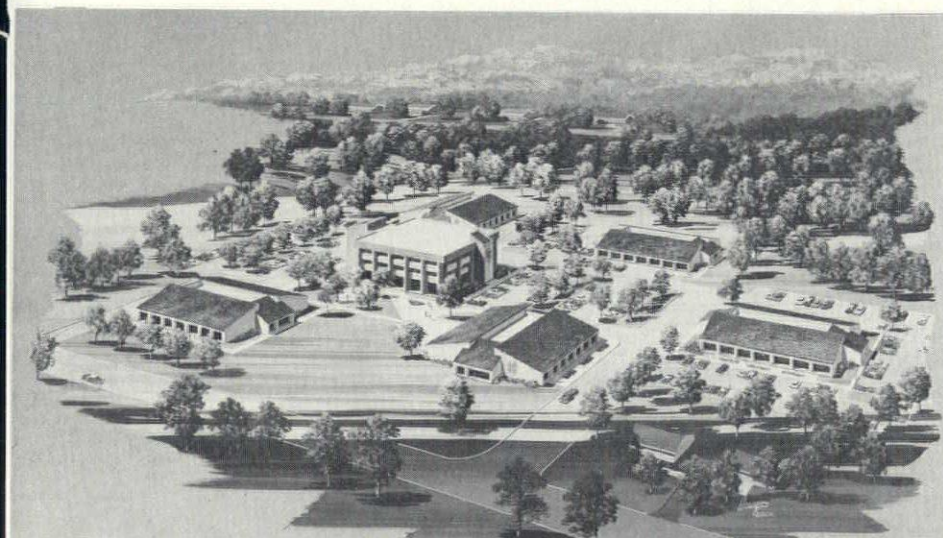
§ THE CLIENT, Realty Industries, Inc., was at a critical decision point: What to do with a 10-acre parcel of agriculturally zoned farmland, in the fringe of a suburban residential area, within a quarter mile of a regional shopping center and major highway interchange?

After analysis of the existing area character, projected land use trends, and apparent market potential, Moseley-Hening Associates, Inc., recommended a planned office park as the highest and best use for the parcel, which would also serve as an appropriate transition element from the high intensity commercial uses to the surrounding residential area. In order to accomplish this, the architects convinced the Chesterfield County Planning Commission of the appropriateness of the plan, obtained a modification to the County land use plan, and secured rezoning of the property.

The result is Cloverleaf Office Park, one of the first planned office parks to be constructed in Chesterfield County. Located on Turner Road just south of Midlothian Turnpike, the complex is designed to accommodate professional and small business offices desiring to locate in close proximity to the regional commercial center developing around Cloverleaf Mall.

The buildings are residential in scale, materials and design to be compatible with the surrounding homes. The Master Plan by Moseley-Hening Associates, Inc., incorporates an

(Continued on page 65)



Tidewater Steel Co., Inc.

St. Reg. #4628

Structural Steel
Metal Deck **Bar Joists**

P. O. Box 12478 Dial 420-2480
NORFOLK, VA.

Heath Roofing Co., Inc.

Roofing Contractors

COMMERCIAL — INDUSTRIAL

CAREY & JOHNS MANVILLE MATERIALS

3704 Chestnut Ave. 804-247-5831
NEWPORT NEWS, VA.

P & W Electric Co., Inc.

Electrical Contractors

COMMERCIAL — INDUSTRIAL

Phone 804-245-2922

549½ Greenlawn Ave. Hampton, Va.

DAVID G. ALLEN, INC.

Tile - Marble - Terrazzo
Contractors

Va. St. Reg. #10649

Commercial — Industrial

P. O. Box 27705 Dial 919/821-7100
Raleigh, N. C. 27611

Boschen Masonry, Inc.

Masonry Contractor

St. Reg. #9454

Phone 798-6551 P. O. Box C
ASHLAND, VA. 23005



AUTHORIZED DEALER
Armco Building Systems

PHONE (703) 885-0886

J. B. WINE & SON, INC.

GENERAL CONTRACTORS

P. O. BOX 1000
VERONA, VIRGINIA



GREENDALE ORNAMENTAL IRON CO.



We Go Anywhere
Builders of
Fine Ornamental
Hand Rails, Columns
&

Furniture
Hanover Industrial Park
Telephone 798-3261

PLEXIGLAS®

ARCHITECTURAL PLASTICS
GLAZING — LIGHTING
ROOF DOMES — SKYLIGHTS

PLYWOOD & PLASTICS, INC.

DISTRIBUTORS
804/359-1374

1727 ARLINGTON ROAD • RICHMOND, VIRGINIA

SOUTHPORT OFFICE PARK

(From page 62)

clusters wrapped around a seven-acre existing lake and a planned two-acre lake and green area. A proposed six-story office tower, serving as a visual focus, will be a transition element between the lake clusters. The adjoining skylighted mall will house 175 motel units, retail and office areas along with related recreational, dining, and entertainment facilities. Traffic will be collected off of Route 60 by the four-lane divided Century Boulevard and conveniently fed to over 1,200 parking spaces grouped around individual building clusters. Parking decks and service station facilities will also provide additional conveniences. The proposed Powhite Expressway will provide a limited access freeway close by.

As a part of the planning process, the architects performed a highest and best use analysis, land use and circulation study, and other impact analyses. Southport was the first application to be submitted under the County's newly adopted planned development ordinance which facilitated the relatively complex mix of uses.

Most of the streets and utilities serving the multi-use center have been completed to date. Moseley-Hening Associates, Inc., has designed a 2,000 square foot modular warehouse/office unit for Southport Corporation, which has built and completed four. Several other projects are currently being planned for construction in the fall of this year.

Southport Corporation of Richmond is general contractor and is handling sodding, seeding, etc.

Subcontractors & Suppliers

Shoosmith Bros., Inc., Chester, excavating, piling & paving contractor; Watkins Nurseries, Richmond landscaping contractor; and, Van Doren Bros., Inc., Richmond, utility contractor.

CLOVERLEAF OFFICE PARK

(From page 63)

existing farm pond and includes five single-story structures of 11,000 square feet each, and one three-story structure of 38,000 square feet. These structures will offer the flexibility of creating office spaces ranging from 500 square feet to 10,000 square feet. The Master Plan allows for the phasing of building construction to meet the space needs of the area.

The project is being built in stages, with approximate completion to be in an eighteen month to two year period. Two single-story buildings have been completed as the first stage.

The exteriors are a blend of natural cypress siding, brown asphalt shingles and large areas of bronze glass. The interior design allows for office sizes and shapes to vary according to the individual needs of each tenant, thus giving the owner great flexibility in responding to market demand. Features include an interior corridor which links offices with the centralized toilet facilities and vending area. Separate exterior entrances offer convenience and individual identity to all tenants.

At this writing, the first two buildings have been completely leased, and the owner is preparing for construction of additional structures.

The owner, Realty Industries, Inc., of Richmond, is acting as general contractor.

Subcontractors & Suppliers (Richmond firms unless noted)

AAA Backhoe Service, excavating & foundations; Laird's Nurseries, Inc., landscaping contractor; J. N. Martin & Sons Contractors, Inc., paving contractor; West End Fabricators, Inc., miscellaneous metal; Mike Dumont Construction Co., Keswick, carpentry; and George F. Dudley, Jr., Roofing Co., built-up roof & roofing.

Also, Weiler Insulation Co., roof insulation & wall insulation; PPG Industries, Pittsburgh, Pa., storefront; American Applicators, Inc., Chester, gypsum board contractor; R. S. Crump, ceramic tile; Consolidated Tile Co., Inc., acoustical tile; Contract Tile, resilient tile; and, Jim's Carpet Sales & Service, carpet.

And, American Window Products, Inc., specialties; Kane Plumbing Co., Inc., plumbing contractor; Community Heating & Air Conditioning Co., Inc., Glen Allen, heating, ventilating & air conditioning contractor; Hudson-Perkins Electric Co., electrical contractor; and, Orkin Exterminating Co., Inc., soil treatment.

W. M. BOWMAN, INC.

St. Reg. #4751

Electrical Contractors

COMMERCIAL — INDUSTRIAL — MUNICIPAL

Phone 804-732-6881

3212 West Washington St.

Petersburg, Va.

FALWELL EXCAVATING CO., INC.

Excavating — Grading — Paving

RESIDENTIAL — COMMERCIAL — INDUSTRIAL

Phone 845-5714

Call or Write

P. O. Box 38

Lynchburg, Va.

ACORN CONSTRUCTION COMPANY LTD.

General Contractors

St. Reg. #9521

P. O. Box 12141, Roanoke, Va. 24023



COMMERCIAL — INDUSTRIAL

INSTITUTIONAL — PUBLIC UTILITIES

Telephone (703) 992-3560

MILTON L. HAMMOND, Inc.

General Building Contractor



State Registration 6128

Phone 443-3375

TAPPAHANNOCK, VIRGINIA

NATKIN & CO.

Mechanical Contractors

- HEATING, AIR CONDITIONING
- PLUMBING
- SHEET METAL
- INDUSTRIAL PIPING
- POWER PLANTS

Telephone 804-798-4773

P. O. Box 26444
Washington Hwy. North
Richmond, Virginia 23261

Brick Makers in Richmond since 1871

Redford Brick Co., Inc.

LOCALLY Owned & Operated

231-1175 — Phone — 232-6786

RESIDENTIAL — COMMERCIAL — INDUSTRIAL

Manufacturers and Distributors

12th & Maury Sts.

Richmond, Va. 23224

Fabrics

SEW & SAVE

MILL END SALES ROOM



BORN FREE TRAVIRA KNIT POLYESTER OUR SPECIALTY

Schwarzenbach-Huber Co.

Silk Mill Sales Room

Phone 703-635-3128

213 E. 6th St.

Front Royal, Va.

L. C. Heath Roofing, Inc.

Roofing Contractors

COMMERCIAL — INDUSTRIAL

CAREY & JOHNS MANVILLE MATERIALS

1023 48th St.

Phone 804-244-0506

Newport News, Va. 23605



HUGHES STEEL CO., INC.

Va. State Reg. #11137

Structural Steel Fabrication and Erection

COMMERCIAL — INDUSTRIAL

Phones

746-0738 & 746-0739

746-0858

1037 Elm Drive

Mechanicsville, Va.

NORTHEN AND SADLER, INC., AIA, AIP - ARCHITECT

THALIA PROFESSIONAL CENTER

BOWMAN ASSOCIATES
Consulting Engineer
Mechanical/Electrical

CHARLES THAYER
Consulting Engineer, Structural

MILLER & FOX
Consulting Engineer, Civil

BARR CONSTRUCTION CO., INC.
General Contractor

§ THE THALIA Professional Center is a 10,000 square ft. complex located on Virginia Beach Boulevard. The center provides for four dental suites and one physicians suite and consists of two "L" shaped buildings arranged to form an interior court. All suites have a view of the interior court as well as individual entrances on the exterior sides of the buildings.

The owners expressed a desire for the complex to have a warm, rustic appearance. This desire led to the selection of California Redwood as the primary exterior building material. Other exterior materials include brick, stucco, and bronze-colored aluminum.

The floor is raised and constructed over a crawl space to provide complete access to all under-floor piping and utility systems and flexibility for future partition rearrangements. An earth berm with a ground cover is provided around the entire structure from the level of surrounding grade up to the floor level.

Barr Construction Co., Inc., of Norfolk, was general contractor and handled concrete, carpentry, steel doors and bucks, and handrails.

Subcontractors & Suppliers
(Norfolk firms unless noted)

W. F. Stier, Jr., masonry contractor/supplier; I. J. Allen & Son, Chesapeake, steel; John R. Houck Co., Va. Beach, steel floor deck; Eastern Roofing Corp., roof deck & roofing; PPG Industries, glazing; E. Caligari & Son, Inc., painting; Davenport Insulation, Inc., insulation; Acoustics & Drywall, Va. Beach, insulation & drywall; Manson & Utley, Inc., acoustical; Ajax Co., Inc., ceramic tile & resilient tile; E. H. Ives Corp., lighting fixtures & electrical work; R. D. Creef Plumbing & Heating, Inc., Va. Beach, plumbing fixtures & plumbing; Bodner & Manuel, Inc., air conditioning, heating & ventilating; Door Engineering Corp., hardware; and, Zack V. Taft & Co., Inc., Va. Beach, paving.



GROVE AVENUE BAPTIST CHURCH

JAMES T. BUCK
Landscape Architect

CEK, INC., Consulting Engineer, Mechanical

RANDALL A. STRAWBRIDGE, Consulting Engineer, Structural

§ THE FUTURE HOME of the Grove Avenue Baptist Church to be located on Parham Road in west Henrico County will not only be a place of quiet, hallowed halls, but one through which life surges forth — moving through its passages, rooms and courtyards with a high purpose. For these are dynamic, dedicated members and for them a bold plan has been created — a working place where they can accomplish their goals.

But it will also be a place for worship and thanksgiving and rededication. For the sanctuary will seat over a thousand people.

A sedate, handmade wood mould brick exterior, which is a tradition of Virginia, will allow the contemporary design of this church to blend in with the traditional architecture in the community.

The church may be approached from two different directions. From Ridge Road there is an arrival court which is partially surrounded by a graceful covered walk. From this covered walk the vestibule can be entered at ground level.

After parking the car in the spacious 300-car lot, the driver can enter the building from one of many doorways, each only a short distance from the parking area.

The landscaped parking lot, which partially surrounds the church, will have its many pathways framed with shrubbery. The center of the lot will be used for future additions. At that time the parking area will be extended into the more wooded portions of the site.

Settling naturally into the contours of the land will be an amphitheater near Ridge Road.

The main entrance is from Parham Road. Again you enter an arrival court with an imposing bell tower and fountain in the center.

From this point you can enter the vestibule by way of a ramp or steps. When you reach the vestibule, you may enter the sanctuary through any of the doors to the main level or proceed to the balcony level by way of stairways or ramp which surround the fountain.

The expansive sanctuary is a sweeping semi-circle with the pulpit centered in the front. Behind the pulpit and on one side is the choir. The orchestra is on the opposite side. The baptistry is directly in back of the pulpit.

Behind the baptistry, the wall, a panorama of stained glass, faces north, admitting the indirect north light. The sunlight permeating the glass will produce a glow during the day on the outside. And on the inside there will be natural light, whether or not the sun is shining.

With the addition of a balcony in the future, the auditorium will be expanded to seat 2,000.

Special lighting is necessary since the eleven o'clock service on Sunday morning appears on television weekly.

Carpet will cover the sanctuary and vestibule floors as well as selected classrooms and offices.

The gymnasium awaits the members across another fountain-centered courtyard. The sparkling, busy waters of the fountain will invite members to linger awhile.

The two floors of the educational building surround the gymnasium, which will be used as a fellowship area. The corridor that services this is open to

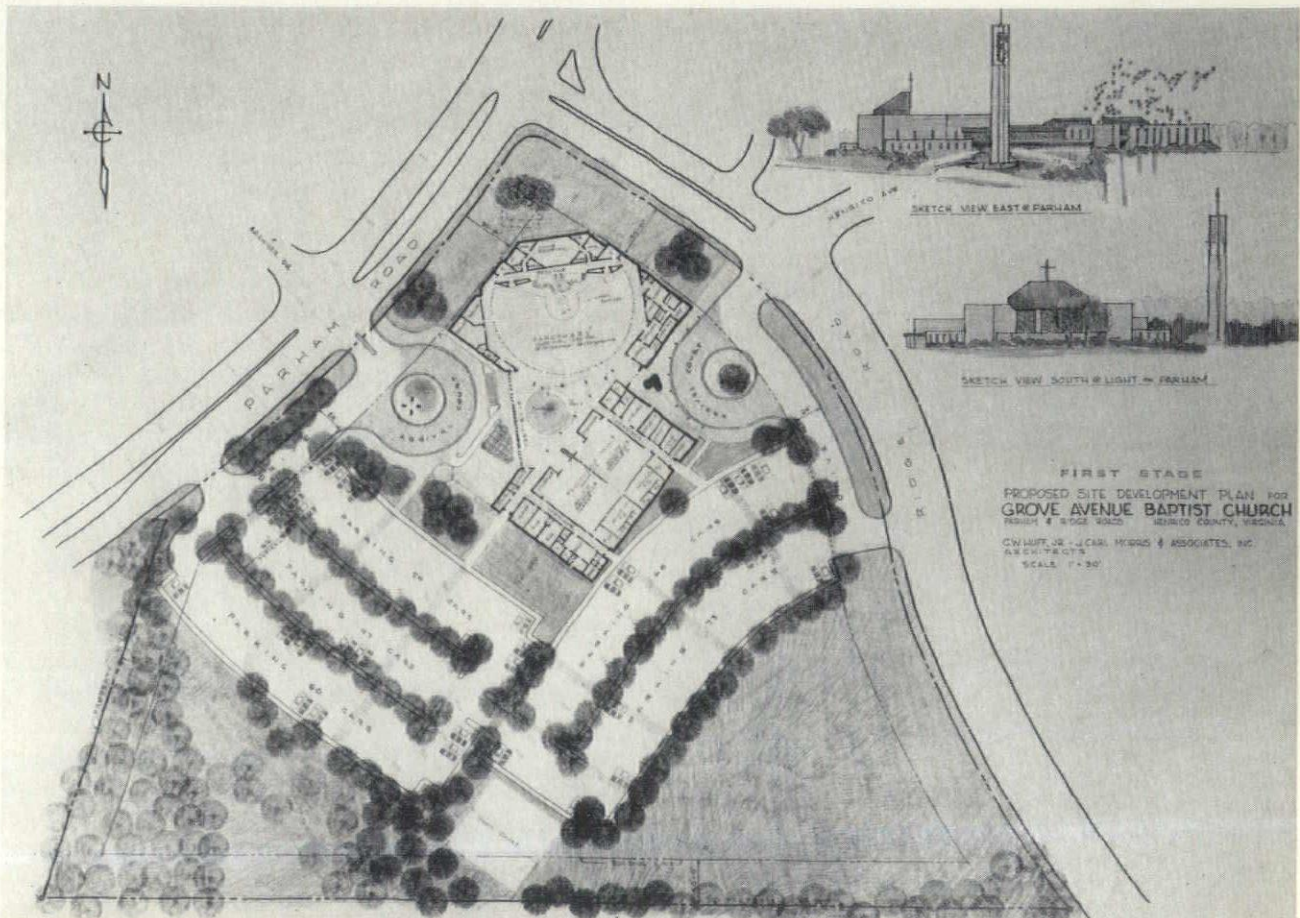
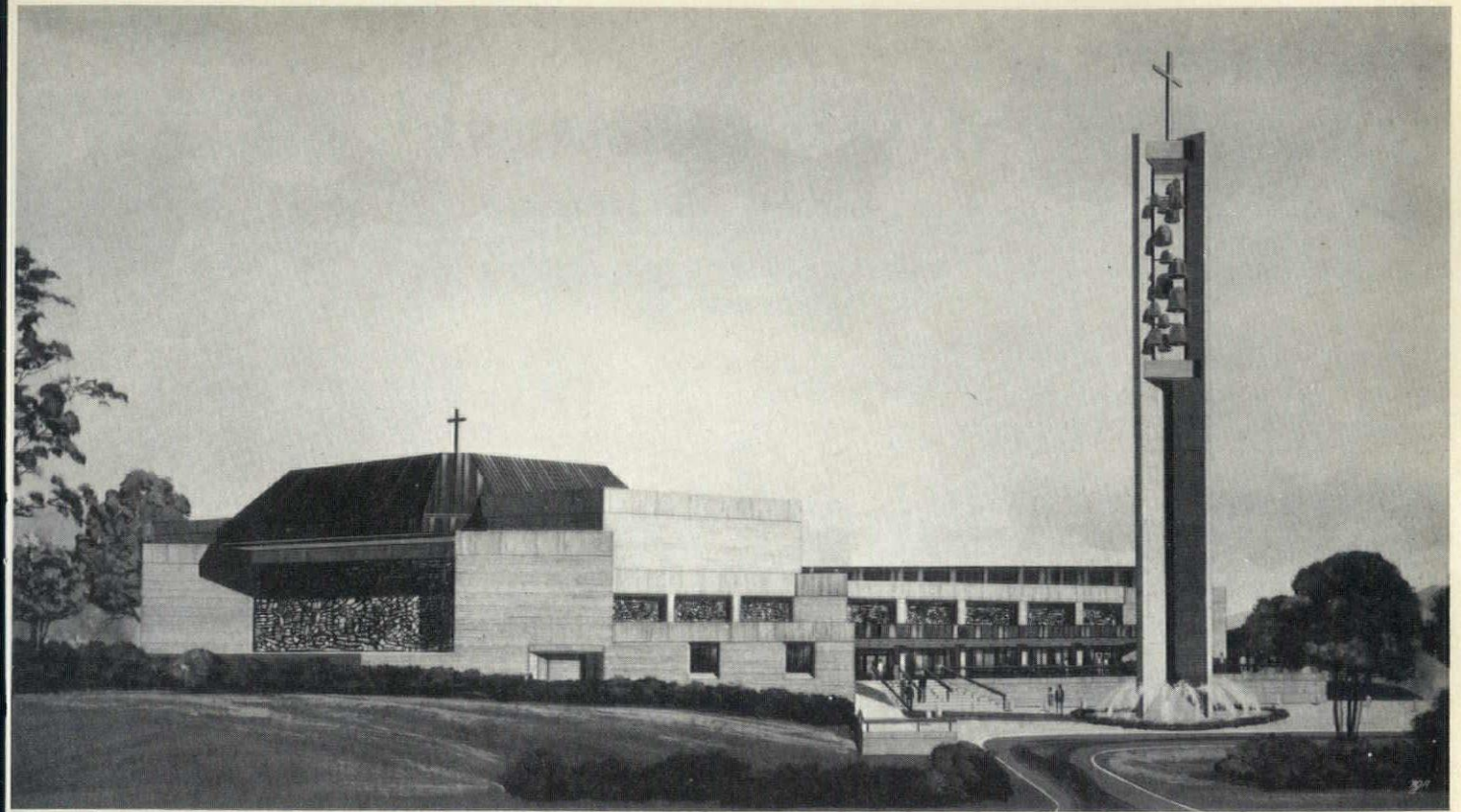
the vestibule as is the corridor serving the balcony.

Space for every phase of the church's daily activities has been provided. The office area is located at one side of the sanctuary and contains all of the necessary rooms, including a library. Behind the sanctuary is a choir room and an office for the Minister of Music, rest rooms, and a passageway. The other side of the sanctuary has a parlor for counseling services, rest rooms, and conference room.

A Memorial Garden will add multi-colored beauty to the site and can be seen from the right side of the front entrance. The brilliant blossoms may be enjoyed by passers-by as well. And someday, a chapel will be built beside this garden.

Heating is a hot water and forced air system and ceiling material will be acoustical.

Grove Avenue Baptist Church will have 58,154 square feet and its cost is estimated to be \$2,500,000. Completion is expected by February, 1977.



WRIGHT, JONES AND WILKERSON, INC. - ARCHITECT

STUDENT HEALTH CENTER COLLEGE OF WILLIAM AND MARY

WILLIAM A. BROWN
Consulting Engineer
Mechanical/Electrical

Interior Design by **THE ARCHITECT**

EASTERN CONSTRUCTION CORPORATION
General Contractor

ST. CLAIR, CALLAWAY & FRYE
Consulting Engineer, Structural

WIRT A. CHRISTIAN JR.
Photography



§ THE NEW Student Health Center completed in August 1973, provides enlarged and improved facilities in replacing King Hall built in 1930 as the college infirmary and according to Director, Dr. R. D. Cilley "handled more than 19,000 cases very smoothly" during the immediate past school term.

Project criteria called for both out-patient examination and treatment, a twenty bed in-patient capacity plus support facilities of laboratory, drug room, treatment rooms, records kitchen and storage. In addition a residential atmosphere was desired in contemporary design, yet one that reflected Colonial influence.

The solution was a one-story brick structure with slate roof designed to fit on an existing small but obsolete parking area nestled in the edge of a heavily wooded area in mid-campus. Centrally located to both dormitories and the academic campus the site is a small peninsula between two natural valleys.

In maintaining the natural integrity of the site no changes were made except adjacent to the existing campus street. Here old paving was removed to provide new lawn and planting, some parking and to extend brick walks to adjoin present campus walks. Side and rear lawns blend into the natural growth of the woods.

In addition to the brick, slate and cast stone that complement the existing campus, exterior features include built-in gutters and large windows with duranodic finish and tinted insulating glass.

The interior of the 9,370 square feet building has two corridors separating three banks of rooms. On the front "out-patient" corridor are located four examination rooms, two doctors' offices, laboratory, nurses' lounge and cathedral-ceilinged waiting room. On the back "in-patient" corridor and separated from the out-patient traffic are bedrooms.

overlooking the undisturbed woodland valley. Each pair of bedrooms shares a connecting bath.

The central bank is a utility core containing drug room, record room, treatment room, physio-therapy room all directly connected to the central nurses' station. This nurses' station serves both out-patients and in-patients and directs incoming and waiting room traffic. Other facilities in the utility core include kitchen, medical and general storage, public toilets and short time out-patient recovery rooms.

The building structural system is steel frame with steel joists and concrete roof planking. The raised ridge beam provides attic space for ducts, filters and exhaust fans serving the entire facility and air conditioning ducts for the utility core. Exterior spaces have individually controlled fan coil units providing heating, ventilation and air conditioning.

Eastern Construction Corp., of Tabb, was general contractor and handled excavating, foundations, concrete work, carpentry, caulking, foundation insulation, and plumbing, heating, ventilating and air conditioning work.

Subcontractors & Suppliers

Norfolk firms were: Winn Nursery, sodding, seeding, etc., landscaping supplier/contractor; Hall-Hodges Co., Inc.,

reinforcing; Guille Steel Products, steel joists; Walker & Laberge Co., Inc., glazing contractor, windows, window wall & storefront; and, Ajax Co., Inc., resilient tile.

Hampton firms were: Chisman Co., concrete supplier; Chesapeake Masonry Corp., masonry contractor, stonework contractor & wall insulation; Shaw Paint & Wallpaper Co., painting contractor, paint supplier & wall covering; and, P & W Electric Co., Inc., electrical contractor.

Richmond firms were: Economy Cast Stone Co., stonework supplier & concrete plank roof deck; Miller Manufacturing Co., wood handrails, millwork, cabinets & wood doors; J. S. Archer Co., Inc., metal doors & frames; and, Pleasants Hardware, hardware supplier.

Others were: Old Virginia Brick Co., Roanoke, masonry supplier; Horne Brothers, Inc., Newport News, steel supplier, steel erection & sheet metal; Sheets Roofing Co., Newport News, slate roofing; Virginia Construction Specialties, Inc., Tabb, plaster contractor & acoustical treatment; and, United of Norfolk, Inc., Grafton, ceramic tile.

Also, Pittsburgh Paints, paint manufacturer; Ille Electric Co., hospital equipment; Key Restaurant Co., kitchen equipment; and, St. Charles Hospital Equipment Co., casework.



TWO CHURCHES BY NORTHEN AND SADLER, INC., AIA, AIP FIRST BAPTIST CHURCH OF NORFOLK

CHEWNING-HOGGARD-ADKINS, INC.
Associated Architect

E. H. BOWMAN
Consulting Engineer, Mechanical

CRAIG AND ABIOUNESS
Consulting Engineer, Structural

Interior Design by **THE ARCHITECT**

LYN CONSTRUCTION CORP.
General Contractor

§ THE FIRST BAPTIST CHURCH of Norfolk selected a site near the Intersection of Norfolk-Virginia Beach Toll Road and Interstate 64 to build their new facility, necessitated by a fire which destroyed their existing center-city Sanctuary.

The design problem was to create a church and educational facility to house an average of over 800 people weekly, which captured a stone Gothic architectural style of the original building. Faced with the economics of the times, it was unfeasible to import the stones necessary to recreate a truly Gothic structure. Therefore, the selection of split block for its rustic appearance, coupled with the precast window "eyebrows" with a traditional Gothic shape to them, were used to create what the church affectionately refers to as their "Modern Gothic Sanctuary."

The other portion of the church focuses around the central Fellowship area, or pedestrian gathering point, from which all functions radiate out into the individual fingers designed as separate buildings, such as the Administrative Wing, which is a separate office wing; the Educational Wing, which houses the Sunday school; and the Fellowship Wing, which houses the kitchen and Fellowship Hall; the last being the Sanctuary seating 800 people.

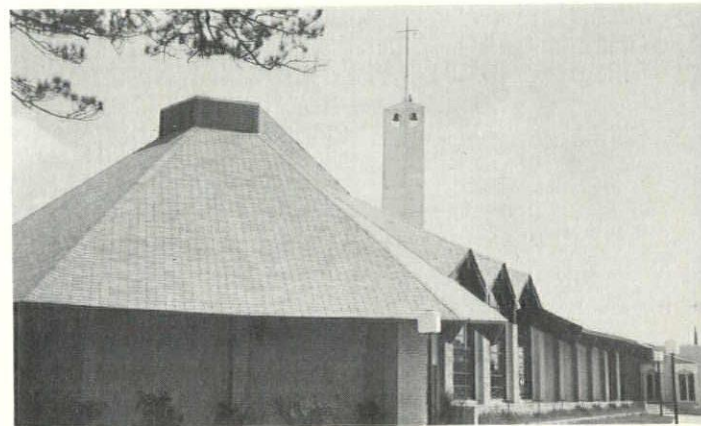
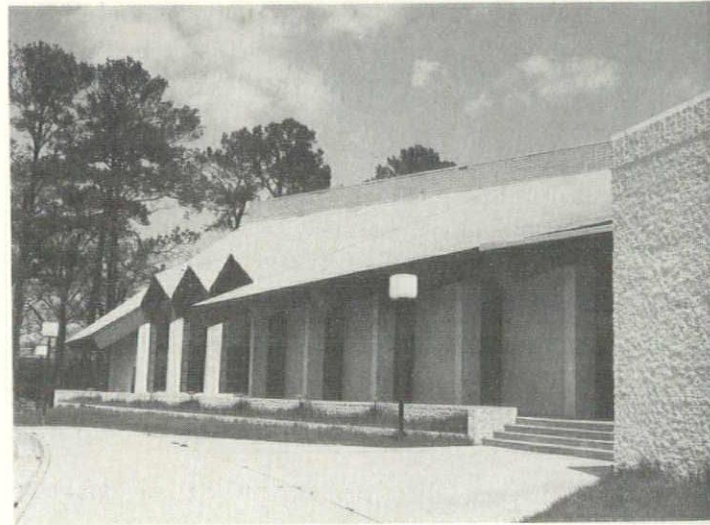
The interior of the Sanctuary is done with the natural split stone of the exterior wall forming the interior wall, finished with a heavy laminated beam roof structure with exposed wood deck roofing above.

Lyn Construction Corp. of Virginia Beach, was general contractor.

Subcontractors & Suppliers

Virginia Beach firms were: Fett Roofing & Sheet Metal Co., Inc., roofing; Martin Mathis Co., drywall & partitions; Ceramic Tile of Florida, Inc., ceramic tile; and, M. L. Marshall Electric Contractor T/A Globe Electric Co., electrical work.

Norfolk firms were: Snow, Jr. & King, Inc., masonry contractor; Chesapeake Steel, Inc., steel; PPG Industries, windows; Shaw Paint & Wallpaper Co., painting; Ferrell Linoleum & Tile Co., Inc., resilient tile; K & L Plumbing & Heating Co., plumbing; and, C & P Air Conditioning Corp., air conditioning.



ARCHITECT

GREEN RUN BAPTIST CHURCH

E. H. BOWMAN

Consulting Engineer, Mechanical

CHARLES THAYER

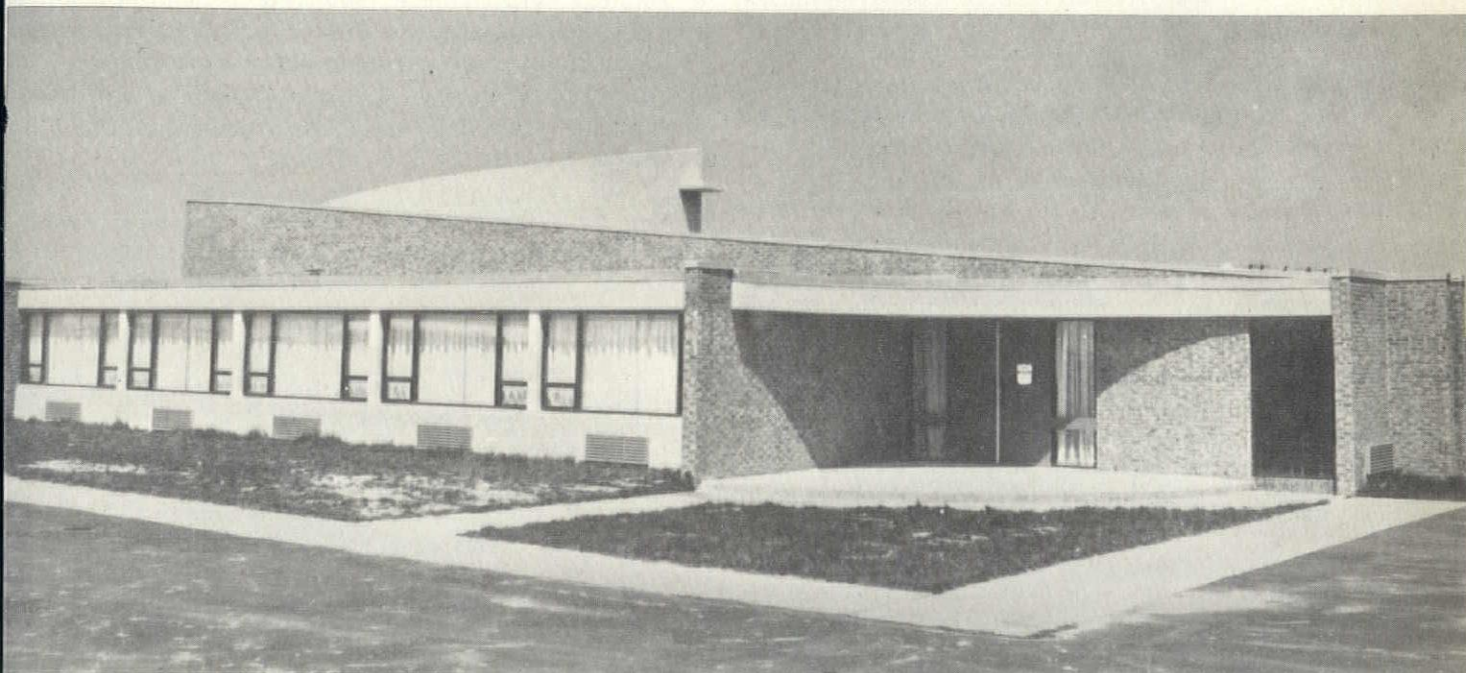
Consulting Engineer, Structural

Interior Design by **THE ARCHITECT**

L. J. HOY, INC.

General Contractor

§ GREEN RUN BAPTIST CHURCH is located in the Green Run Plan Unit Development of Virginia Beach, which because of the nature and design of the various elements therein, dictated (and was requested by the building committee) a very contemporary structure. As a result of this, the building evolved into one in which the walls take on a free flowing form which embraces the 250 seat Sanctuary. The interior ceiling follows the slope of the roof, which starts at the entrance and slopes upwards to the precast cross, which terminates above the altar. The only exterior windows are in the educational classrooms and behind the altar. This structure is intended as the first building in the overall master development plan, and as the church grows in the future, will someday become the intimate chapel that the building committee foresaw as the plan was developed.



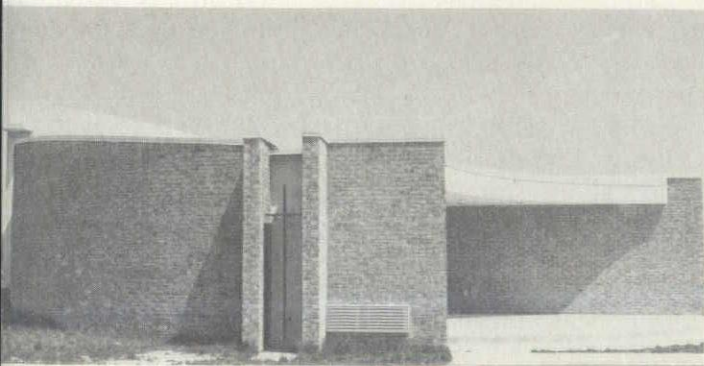
L. J. Hoy, Inc., of Norfolk, was general contractor and handled excavating, foundations, concrete and carpentry.

Subcontractors & Suppliers
(Norfolk firms unless noted)

Snow, Jr. & King, Inc., masonry contractor; Chesapeake Steel, Inc., steel; Fett Roofing & Sheet Metal Co., Inc., roofing; PPG Industries, windows & glazing; and, J. H. Steen and Sons, Inc., Portsmouth, painting.

And, Walker & Laberge Co., Inc., acoustical; Powell-McClellan Lumber Co., Inc., millwork; Door Engineering Corp., steel doors & bucks; Charles W. Davis, lighting fixtures & electrical work; Aircon, Ltd., plumbing fixtures, plumbing, air conditioning, heating & ventilating; Architectural Products of Va., Va. Beach, hardware; and, Asphalt Roads & Materials Co., Inc., Va. Beach, paving.

The Baptistry was supplied by Wiedemann Industries, Inc.



VAUGHAN AND BOYNTON - ARCHITECT

COMPUTER CENTER FOR DATA SYSTEMS CORPORATION

JOHN E. HARRIS
Consulting Engineer
Mechanical/Electrical

ALVIN W. DUNBAR
Consulting Engineer, Structural

KAYHOE CONSTRUCTION CORP.
General Contractor

HUFFMAN STUDIOS
Photography

§ THE DATA SYSTEMS Corporation is a rapidly growing service organization for member savings and loan associations throughout the states of Virginia, North Carolina and Maryland. Although the company provides other services, the main purpose of the company is to provide computer services. Initially, the company occupied a five thousand square foot building located on the same site as the new building and it became obvious shortly after operations began that additional space was going to be required.

In the summer of 1973, the company initiated a building program that was to provide adequate space for their present computer operation and future growth, as well as providing space for the other services. The building program was formulated to provide an initial building of twenty-five thousand square feet with the balance of the three acre plus site master planned to accommodate an additional structure of approximately fifteen thousand square feet with necessary parking and site development.

The overall site planning had to consider that the site was encumbered by a power line easement on the North and that

the county would permit only one access to Staples Mill Road on the West. To accommodate the existing building, access to Staples Mill Road had to be waived until the ultimate development of the site takes place. As a service company which does not require direct public contact, this was a viable alternative.

The design of the building was to give prime consideration to the computer operation. Such consideration involved providing an environment with very strict parameters which resulted in a considerable amount of first floor being void of fenestration. The exterior of the building in its form and white metal skin is intended to reflect the crisp, mechanized quality usually associated with computers.

The strict environmental requirements of the computers produces heat which is a by-product of the air conditioning required for the computers. The mechanical system of the building takes advantage of this by-product as a means of providing seventy percent of the heat required by the building in winter. It is expected that heat from the computers and heat from the lights in the building will provide the owner with an energy savings of thirty percent.

Kayhoe Construction Corp. of Richmond was general contractor and handled foundations, concrete work and carpentry.

Subcontractors & Suppliers (Richmond firms unless noted)

F. G. Pruitt, Inc., excavating; Watkins Nurseries, sodding seeding, etc. & landscaping; Lee-Hy Paving Corp., paving contractor; Bowker & Roden, Inc., reinforcing; Lone Star Industries, Inc., concrete supplier; Southern Brick Contractors, Inc., masonry contractor; Diversified Construction Industries, Inc., Ashland, steel supplier, steel erection, steel joists & miscellaneous metal; H. Beckstoffer's Sons, Inc., millwork; U. S. Plywood, wood doors & paneling; and, E. S. Chappel & Son, Inc., caulking.

Also, N. W. Martin & Bros., Inc., built-up roof; Owens Corning Fiberglas Corp., roof insulation; U. S. Gypsum Co., wall insulation; Catlett-Johnson Corp., sheet metal, and plumbing, heating, ventilating & air conditioning work; Walker & Laberge Co., Inc., glass & glazing contractor; The Ceco Corp., metal doors & frames; Rusco, windows; Kawneer Co., Inc., storefront; Pleasants Hardware, hardware supplier; and, A. Bertozzi, Inc., gypsum board contractor.

And, C. B. Smith Co., acoustical treatment & resilient tile; Miller & Rhoads, Inc., carpet; Modern Decorating, Inc., painting contractor & wall covering; Benjamin Moore, paint supplier; American Standard, plumbing fixture supplier; Graybar Electric, lighting fixtures supplier & electrical equipment supplier; Brook Hill Construction Corp. of Va., electrical contractor; and Inland-Ryerson Construction Products Co., Chicago, Ill., metal siding.



Bryant's Iron Works

Steel Fabrication
and
Erection

Phone 804-244-7019

7726 Warwick Boulevard
Newport News, Va. 23607

OWEN PLUMBING & HEATING, INC.

St. Reg. #7564

Mechanical Contractors

Phone 389-0249 1123 E. Main St.
SALEM, VIRGINIA 24153

G. D. CROSBY

Electrical Contractor

Phone 222-0584

5005 Charles City Road
RICHMOND, VIRGINIA

L. F. Chiselbrook, Inc.

Installation of
Efficient, High Speed
Cable Elevators

ESCO
HYDRAULIC
ELEVATORS

*Distinctive Quality
Outstanding Performance*

For Information Call
588-7107

Room 304 Glover Building

1216 E. Little Creek Rd.
NORFOLK, VA.

UNITED INCORPORATED

Masonry Contractors

COMMERCIAL

St. Reg. #8579

INDUSTRIAL

P. O. Box 773

GRAFTON, VA. 23692

Phone 898-5423

GLAZED PRODUCTS, INC.

Manufacturers of D E C O R - G L A Z E
(Glazed Structural Masonry Units)

Phone 632-7211

MARTINSVILLE, VIRGINIA

P. O. Box 804

SERVING THE SOUTHEAST
DESIGNERS & MANUFACTURERS OF BANK AND STORE INTERIORS

STATESVILLE FIXTURE CORPORATION

P. O. Box 984

Phone: 704-872-2476

STATESVILLE, N. C. 28677

Offices & Factory 512 Monroe St.

Lawrence Mitchell

Plastering Contractor

SPECIALIZING IN GOLDBOND
THIN COAT SYSTEM

Residential — Industrial — Commercial

Phone 632-2323

700 Second Street

MARTINSVILLE, VIRGINIA

SERVING YOUR CONSTRUCTION NEEDS

Kayhoe
construction
corporation

■ COMMERCIAL ■ INDUSTRIAL
■ RESIDENTIAL
■ MAINTENANCE AND REPAIRS

7206 IMPALA DRIVE

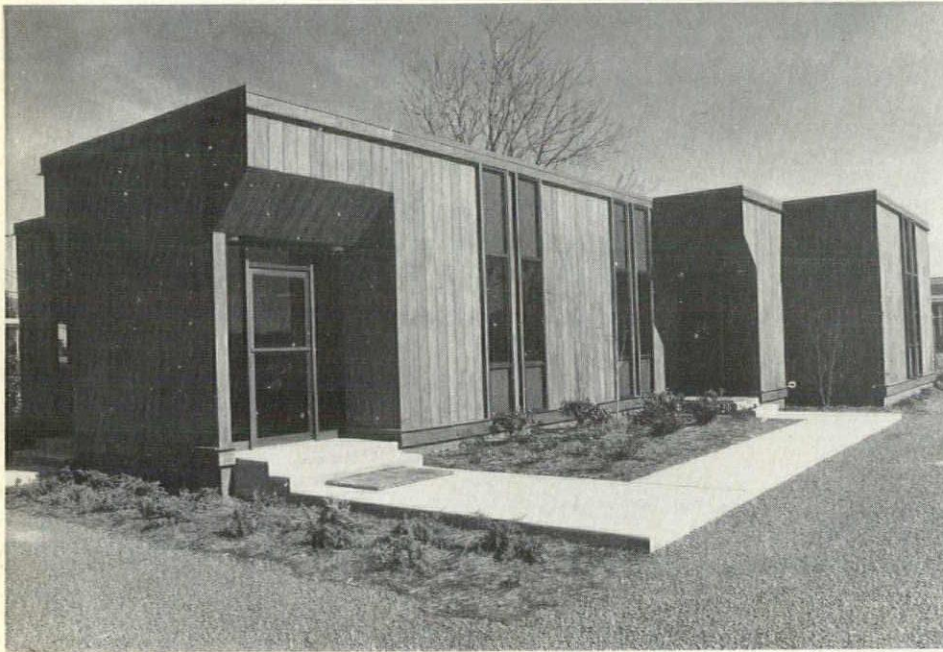
RICHMOND, VIRGINIA 23228

266-9628

BYRON R. DICKSON, JR. - ARCHITECT

E. F. BLANKENSHIP OFFICE EXPANSION

DAYS CONSTRUCTION CO., INC.
General Contractor



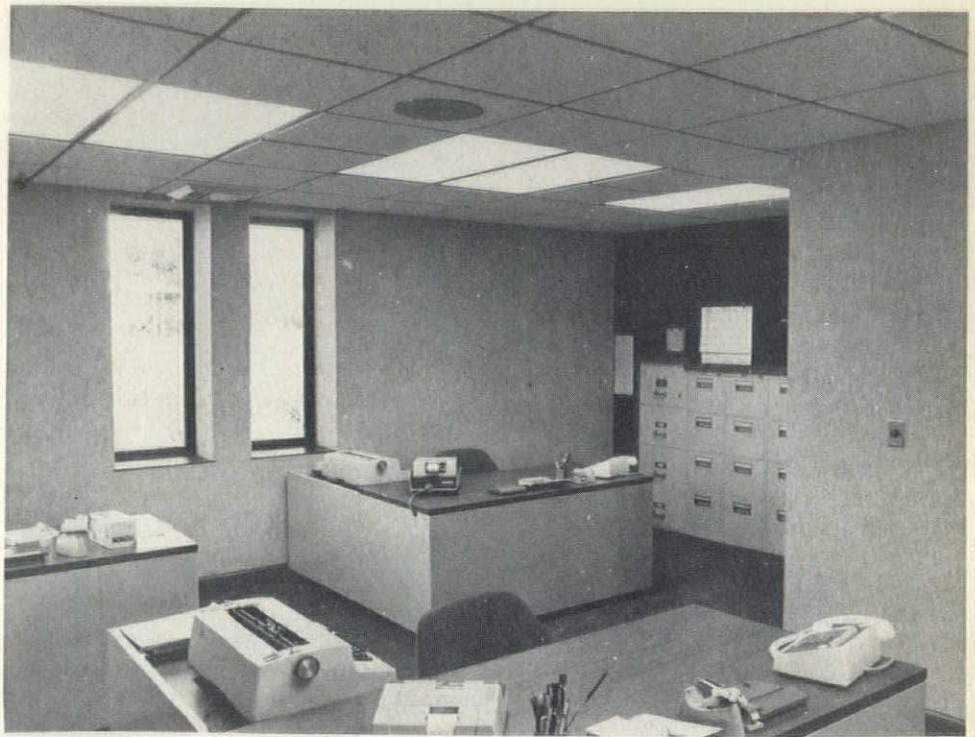
§ THE E. F. Blankenship Company is engaged in the construction of major highway structures and has completed over 80 bridges in the states of Virginia, Maryland and North Carolina. The firm was founded in 1947 by Mr. E. F. Blankenship and is presently under the leadership of his son, Mr. E. F. Blankenship, Jr. Mr. Blankenship, Sr., is now Chairman of the Board and Treasurer.

The firm's offices and related permanent facilities are located in Salem. The existing administrative facility, prior to remodeling, contained 1,056 square feet with exterior walls of brick veneer and structural system composed of wood frame construction. Within this small brick building, there existed three office spaces, secretarial and waiting area and toilet facilities. Steel awning windows provided fenestration. The interior finishes consisted of wood paneling, acoustical tile ceiling and surface mounted light fixtures. This existing facility was structurally sound; however, the design was antiquated, inadequate in size and the arrangement functionally restrictive.

Due to zoning restrictions and the availability of additional land, it was decided that the most favorable course of action would be an addition to the present building together with extensive alterations within. In addition to the functional requirements of the program, the Blankenship organization desired an attractive contemporary office utilizing high quality materials. The program for the additional space included two executive offices, a kitchen, a plan room, additional toilet facilities and a fire rated file storage area. The client desired that this space be so arranged as to provide increased efficiency of the administrative activities.



The architect's solution provided for the addition to take place toward the rear of the existing facility. Because of property line restraints, it became necessary to develop a 'T' concep



sisted of concrete footings with block to grade. The superstructure is of wood frame construction to match the existing. A concrete floor slab is utilized with wood stud partition walls throughout. Moisture protection is accomplished by utilizing a built-up roof. The exterior enclosure is cypress siding. It was desirable for the exterior development to maintain a residential scale.

The interior finishes are vinyl wall covering on drywall with carpet utilized throughout except for vinyl tile in the utility areas and slate flooring at the entry.

A new heating and air conditioning system has been provided. Also, a new

electric distribution and lighting system has been employed.

Interior design is by the architect. There are new furnishings throughout including desks, chairs, filing cabinets and office accessories, which were purchased and coordinated to complement the architectural solution.

Days Construction Co., Inc. of Salem was general contractor and handled carpentry, waterproofing, weatherstripping and insulation.

Subcontractors & Suppliers

From Salem were: Salem Ready Mix, concrete; Leonard Smith Sheet Metal & Roofing, Inc., roofing; Marion Glass & Aluminum Co., windows, window walls and glazing; McClung's, millwork; and, Viking Electrical Contractors, Inc., electrical work.

From Roanoke were: Hess & Hurt, Inc., painting; Harman Ceiling & Partition Co., acoustical, plaster and resilient tile; Skyline Paint & Hardware Co., steel doors & bucks and hardware; and, Dickerson-Trent, Inc., plumbing, air conditioning, heating and ventilating.

The owner handled ceramic tile.

which allowed for the primary circulation space to be contained within the existing structure, thus reducing space demands in the addition.

Substructure of the addition con-

RANCORN, WILDMAN AND KRAUSE - ARCHITECT

PHOEBUS HIGH SCHOOL

PERKINS AND WILL - ASSOCIATED ARCHITECT

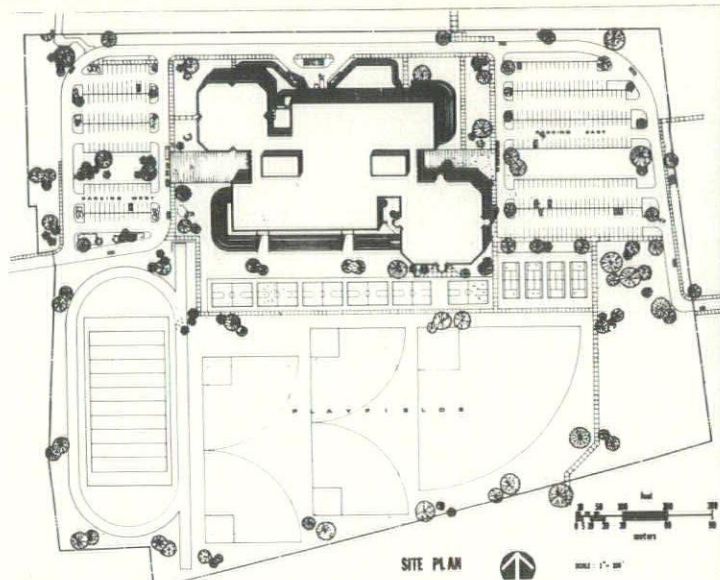
M. J. THOMPSON
Consulting Engineer, Mechanical

E. H. BOWMAN
Consulting Engineer, Electrical

FRAIOLI-BLUM-YESSELMAN ASSOCIATES
Consulting Engineer, Structural

CAROLE G. WYDUR
Interior Design

W. M. JORDAN COMPANY, INC.
General Contractor



§ HAMPTON'S PHOEBUS High School was selected in 1971 as one of the nation's five best planned high schools by the American Association of School Administrators.

Conceptual planning for Phoebus High School was begun by a series of charrettes including school board members, administrative and supervisory personnel, teachers, students, and representatives of the P.T.A. and City, and the Architects.

Ideas generated by these charrettes and incorporated into the design in-

clude utilization of all areas within and surrounding the school as potential learning spaces. Thus, corridors, stairways, lobbies, etc., were conceived as contributing to the total learning environment.

The various learning spaces as well as administrative and faculty areas were planned with emphasis on "interaction" rather than "compartmentalization."

A "commons" areas has been planned for exhibit, student government activities, science fairs, dining, study,

assembly, and general circulation.

An interior classroom system combining demountable partitions, integrated cabinets, and power poles, is used for maximum flexibility and expansion. A ceiling system integrating mechanical, lighting, and partition support is utilized.

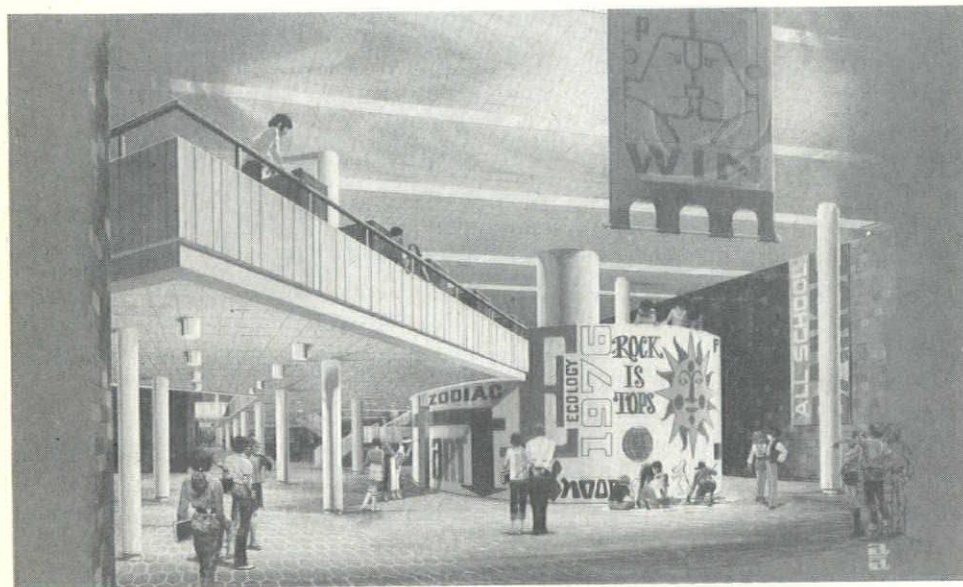
Excess fill used to consolidate the subsoil prior to construction was used to create the permanent berms that rise to the second level. This feature allowed "on grade" egress, eliminating the necessity for interior fire stairs. The earth berms promise the added advantage of insulation to the lower level.

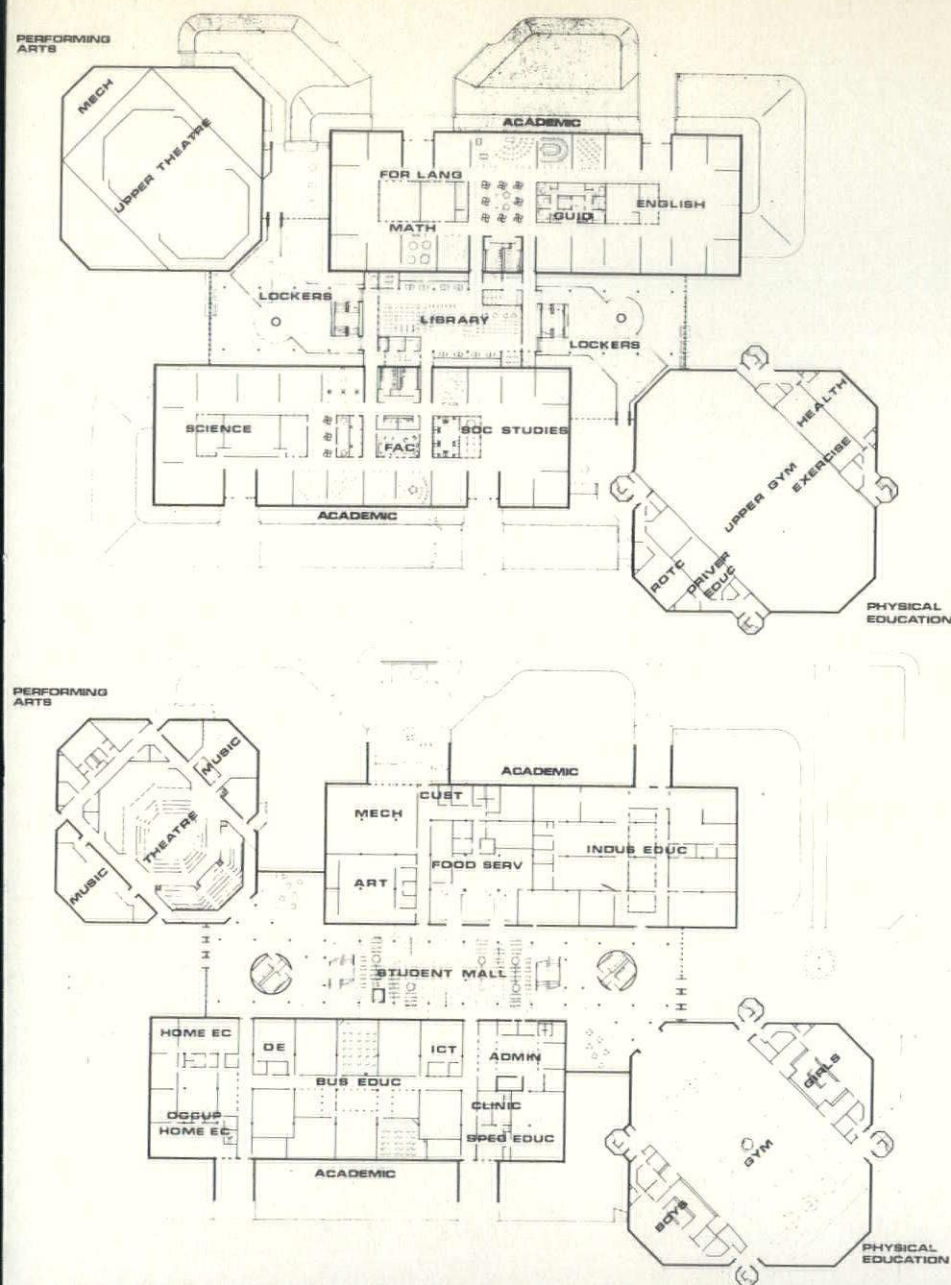
W. M. Jordan Co., Inc., of Newport News was general contractor and handled foundations, concrete work, carpentry and waterproofing.

Subcontractors & Suppliers

The total facility encompasses 235,000 square feet and will accommodate 2,000 students.

Newport News firms were: Benson Phillips Co., concrete supplier; Warwick Plumbing & Heating Corp., sheet metal and plumbing, heating, ventilating & air conditioning contractor and, Pompei Tile, Inc., ceramic tile.





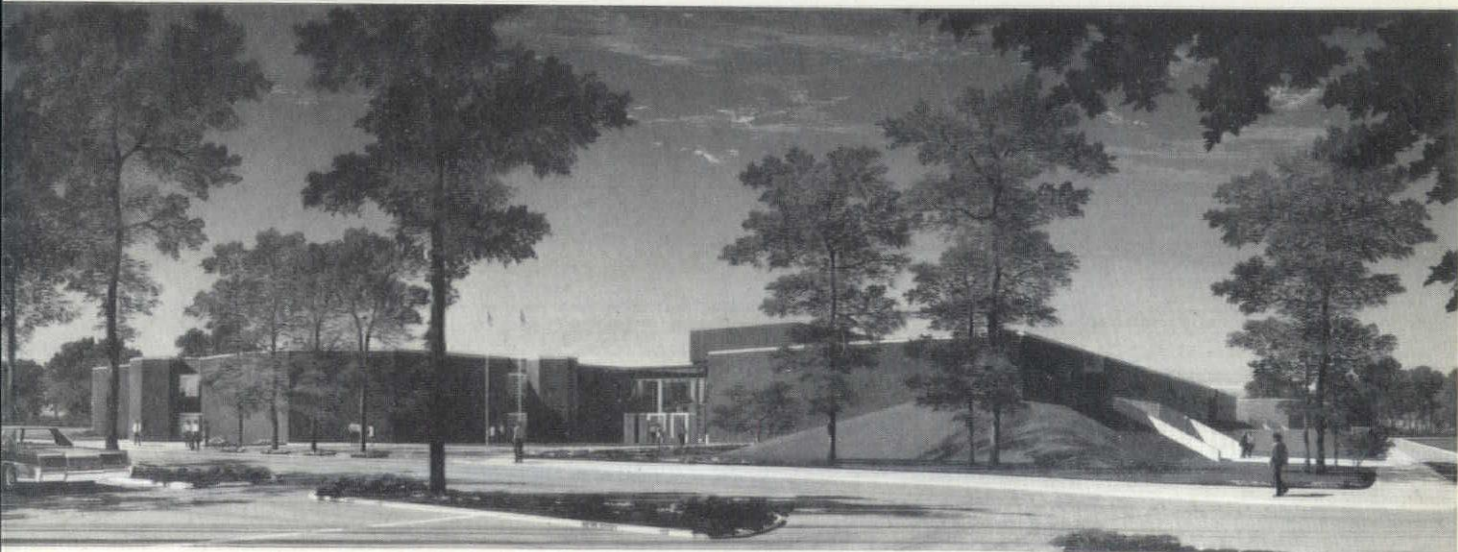
From Norfolk were: Snow, Jr. & King, Inc., masonry contractor & stonework contractor; Globe Iron Construction Co., Inc., steel supplier, steel erection, steel joists & steel grating; U. S. Plywood, wood doors; O'Ferrall, Inc., resilient tile; Dover Elevator Co., Inc., elevator; and, Shaw Paint & Wallpaper Co., Inc., painting contractor.

Virginia Beach firms were: Williams Paving Co., Inc., excavating, sodding, seeding etc., & paving contractor; and, Architectural Products Co., metal doors & frames & hardware supplier.

And, from Richmond were: Wheeling Corrugating Co., steel roof deck & steel grating; Ar-Wall, Inc. of Virginia, glass, glazing contractor & storefront; and, Armstrong, acoustical treatment.

Others were: Glen-Gery Corp., Reading, Pa., masonry supplier; Flamingo, mortar; Bedford, Bedford, Indiana, stonework supplier; E. F. Hauserman Co., Cleveland, Ohio, cabinets; Herrin Bros. Erection Co., Portsmouth, caulking; Livers Bronze Co., Inc., Kansas City, Mo., handrails; and, Heath Roofing Co., Inc., Hampton, built-up roof & roof insulation.

Also, A. D. Stowe, Inc., Portsmouth, plaster contractor; Rug Shop, Hampton, carpet; The Glidden Co., Cleveland, Ohio, paint supplier/manufacturer; Hauserman Integrated Wall Systems, Cleveland, Ohio, specialties; N I C, equipment; and, Colonial Electric Co., Inc., Williamsburg, electrical contractor.





Perfect Balance

SMALL enough to give prompt personalized service.

BIG enough to supply technical "know-how"
and assured supply.

LEADING Independent Virginia Supplier of Kerosene,
No. 2, No. 4, No. 5 and No. 6 Fuel Oil.

PETROLEUM MARKETERS, INC.

1603 Santa Rosa Road P. O. Box K-64

Richmond, Virginia 23288

Phone 804-288-4127

R. G. ROOP, *Chairman of the Board*

L. D. HAISLEY, *President*

LUCIUS F. CARY, JR., *Vice President and Sales Manager*

Economy Cast Stone Company



**Manufacturers of
ARCHITECTURAL
and
STRUCTURAL
CONCRETE PRODUCTS**



P. O. Box 3-P Richmond, Virginia

Phone 804-643-3491

IMMER & COMPANY INCORPORATED

VA. ST. REG. #3370

7800 AIRPARK DRIVE

P. O. Box 2218

GAITHERSBURG, MD. 20760

PHONE (301) 948-6330

— . —

GYPSUM DRYWALL CONTRACTORS

— . —

A A BUILDERS OF VIRGINIA, INC.

General Contractor

St. Reg. # 11097

COMMERCIAL — RESIDENTIAL

Phone 804-245-5800

THURMAN MILLER, *President*

DENNIS A. PATTERSON, *Vice President*

J. D. WILSON, *Secretary*

VICTOR L. HUNDLEY, SR., *General Mgr.*

3503 Chestnut Ave.
Newport News, Va. 23607

LEON K. SMITH, AIA, ARCHITECT, LTD.

WOODSIDE PRESCHOOL

**AA BUILDERS OF VIRGINIA, INC.
General Contractor**

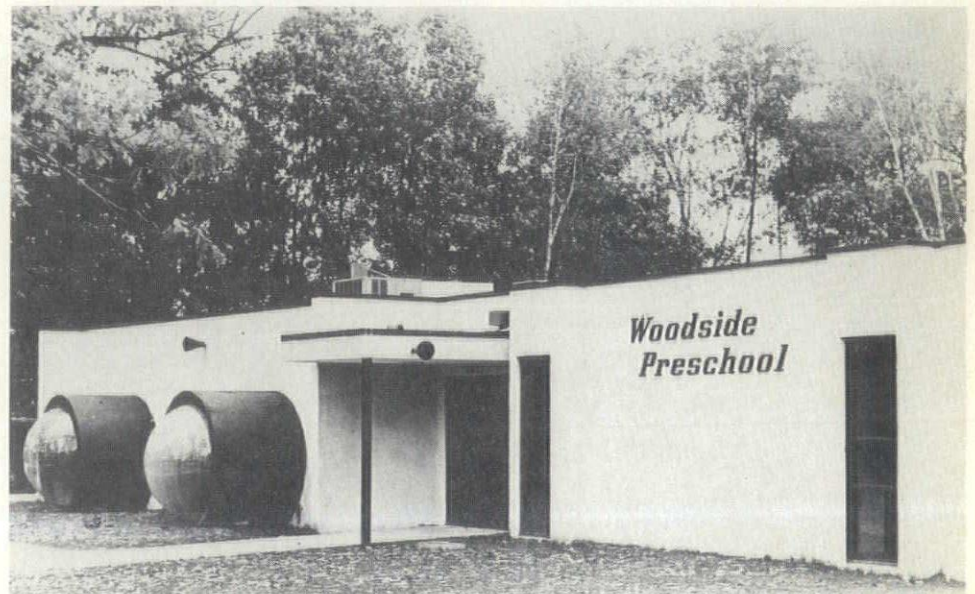
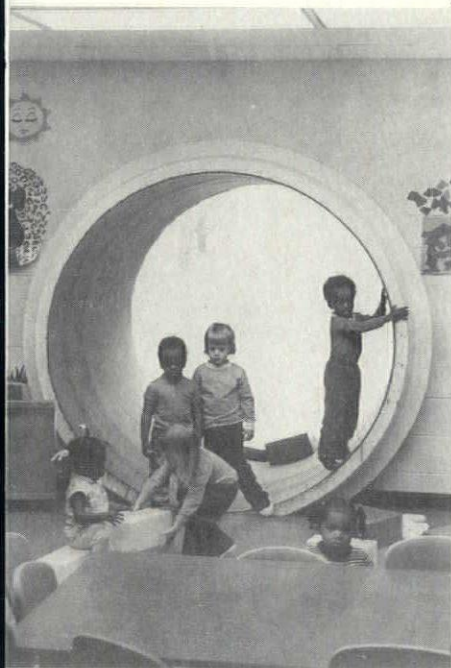
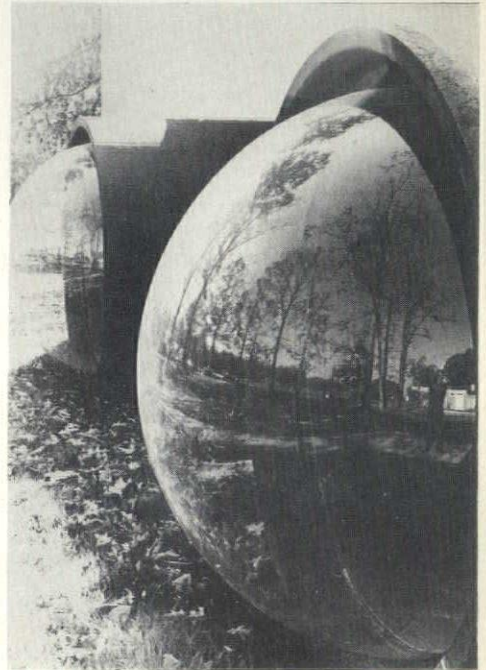
**EUGENE W. WILSON & ROBERT D. WEBB
Photography**

§ THE WOODSIDE Preschool, located on Aberdeen Road, Hampton, provides a unique introduction of supervised educational training for young children ages 2-5. The school is open from 6:00 a.m. to 6:00 p.m. with a full day of planned activity.

Mrs. Beryl P. Clark, owner and operator of the preschool, formulated the school philosophy which became the basis for the design theme of creativity and experimentation. She believes in the freedom of children as individuals, allowing them to express themselves openly.

To provide the desired flexibility of space, a multi-purpose room formed the core of the building. Two large classrooms branch from this room, providing toilet and storage facilities arranged in a scheme that allows the classroom space to be partitioned into two smaller classrooms. The building also houses a library, a staff's lounge, a clinic, a kitchen, a receptionist's office, and the principal's office.

The preservation of the natural landscape was a high priority. To maintain this natural appeal, warm earth-tone



Edward van Laer Incorporated

St. Reg. #898



General Contractor

110 B 2nd St., N.E.,
Charlottesville, Va. 22901

Phone
804/295-5156

Virginia Marble Manufacturers, Inc.

CULTURED MARBLE PRODUCTS

RESIDENTIAL — COMMERCIAL

P. O. Box 527

Phone 804-676-3204

Kenbridge, Virginia 23944

C & P AIR CONDITIONING COMPANY, INC.

Mechanical Contractors

AIR CONDITIONING — HEATING — VENTILATING

Phone 804-625-5874

2406 Colley Avenue

NORFOLK, VIRGINIA

J. B. EURELL CO.

Roof Deck Contractors



Specializing in:

GYPSUM ROOF DECKS • WOOD FIBER ROOF DECKS

LIGHTWEIGHT CONCRETE ROOF DECKS

Telephone 262-8648

5805 School Avenue

P. O. Box 9427

RICHMOND, VA. 23228

The James Gibbons Co.

Petroleum Transporting

BITUMINOUS PAVING

Phone 301-242-8888

1700 Sutton Ave.

Baltimore, Maryland

W. R. HALL, JR.

Excavating Contractor

Phone 804-587-5074

1214 Bill St.

Norfolk, Va.

J. W. CREECH, INC.

General Contractor

St. Reg. #8639

COMMERCIAL



INDUSTRIAL

INSTITUTIONAL

Phone 804-420-0225

5659 Va. Beach Blvd.

Norfolk, Va. 23502

Shaw Paint & Wallpaper Company, Inc.



*Painting
And
Wallpapering Contractor*

101 Aberdeen Road

Hampton, Va. 23361

colors were used on a building of contemporary design. The building, though simplistic in design, stimulates the imagination through detailing. The use of 72-inch concrete storm drains, entirely carpeted on the inside, creates an unusual window space when capped with a plexiglass bubble. By discharging rainwater from the roof through cone shaped scuppers, a fountain effect is created as the water falls into disc-shaped splash pans. Thus the Woodside Preschool maintains a balance in nature while providing a stimulating environment, both inside and out, for inventive preschoolers.

AA Builders of Virginia, Inc., of Newport News, was general contractor.

Subcontractors & Suppliers

Newport News firms were: Coenen & Associates, excavating; E. J. Keller, piling; Custom Concrete Products Co., concrete supplier; Bryant's Iron Works, steel supplier; Boise Cascade, building materials; L. C. Heath Roofing, Inc., built-up roof; Ezekiel & Weilman Co., Inc., kitchen equipment; W. E. Vaughn Co., Inc., plumbing, heating, ventilating & air conditioning contractor; and, Norris Pest Control, pest control.

From Hampton were: Lawrence Blizard Landscaping, landscaping contractor; Hill Concrete Construction, concrete contractor; Miller & Graham Masonry Contractors, masonry contractor; Melvin Peters Co., Inc., cabinets; Jones & Ball, Inc., building materials; Goodman Hardware Co., hardware supplier; McPhatter & Son, Inc., plaster contractor; Southeastern Tile & Rug Co., Inc., resilient tile, carpet & special flooring; and, Valjar, Inc., crane service.

Norfolk firms were: Lone Star Industries, Inc., masonry supplier; Globe Iron Construction Co., Inc., steel erection; and, Seaboard Paint & Supply Co., metal doors & frames & wood doors.

Others were: Guille Steel Products Co., Va. Beach, steel joists; V.C.S. Plastering, Inc., Tabb, acoustical treatment; Peninsula Painting Contractors, Williamsburg, painting contractor; Virginia School Equipment Co., Inc., Richmond, school equipment; and, Plywood, Plastic — FABCO, Inc., Richmond, dome windows.

Capital Masonry Corp.

"BUILD WITH BRICK"

BRICK CONTRACTOR

2308 ANNISTON ST. • RICHMOND, VIRGINIA 23223 • PHONE: 649-7636

DeHART TILE, INC.

St. Reg. #10216

Custom Tile Work

CERAMIC—MARBLE—STONE—TERRAZZO—QUARRY

Commercial - Residential - Industrial

P. O. Box 2376

Phone 382-3271

CHRISTIANSBURG, VA. 24073

DAVIS & SPIERS, INC.

General Contractor

Commercial

St. Reg. #14

Phone 358-5541

Industrial

3101 Moore St.

RICHMOND, VIRGINIA 23230

AMERICAN WINDOW PRODUCTS, INC.

Dial 804/233-7617

5421 Distributor Drive

Richmond, Virginia 23225

Leonard Smith Sheet Metal & Roofing, Inc.

Roofing & Sheet Metal Contractors

RESIDENTIAL — COMMERCIAL — INDUSTRIAL

1020 College Ave.

SALEM, VIRGINIA 24153

Phone (703) 389-8614

WARNER CONSTRUCTION COMPANY, INC.

Commercial Roofers — Coal Tar Pitch
Asphalt, Slate and Cedar Shingles

Specialist in Built-Up Roofing

Serving Northern Virginia, Richmond & Virginia Beach

508 Birdneck Road

Phone 804/425-6738

VIRGINIA BEACH, VA.

GLAVE NEWMAN ANDERSON AND ASSOCIATES, INC. ARCHITECT

HENRICO COUNTY RESIDENCE

WILLIAM J. DAVIS

Consulting Engineer, Structural

WILSON & MORETH PARTNERSHIP

Landscape Architect

REESE ANTIQUES

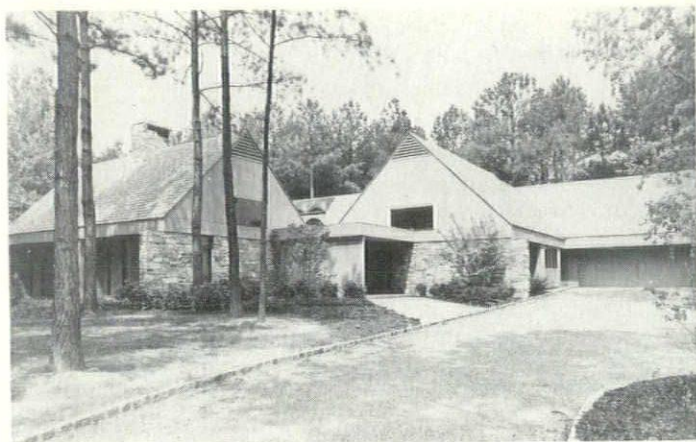
Interior Design

KAYHOE CONSTRUCTION CORP.

General Contractor

CHARLES SANDERS

Photography

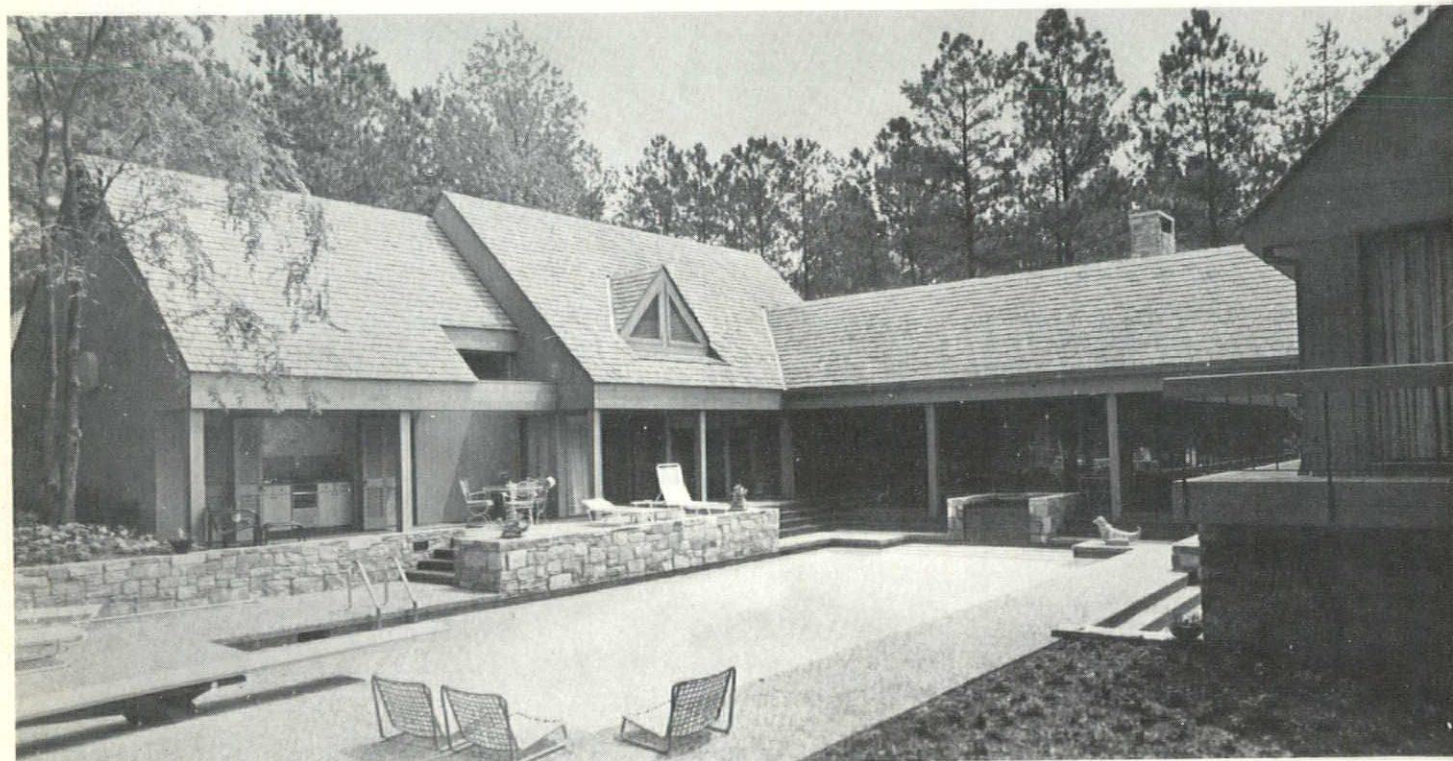


§ TO DESIGN THIS Henrico County residence, the architects worked very closely with the owners, who desired a spacious and carefully detailed residence on the acre and a half wooded site. Intrigued with a west coast home that was designed around a swimming pool, the owners wanted a similar concept that allowed easy entertainment, indoors and out. All the major living areas should open to the pool and its adjacent sitting areas. Beyond the pool should be the tennis court, though close enough to see the players.

The house itself was required to fit among the many tall pine trees left undisturbed and encloses the pool on three sides. Therefore, there are three parts: the central part being the living room and den; the east wing being dining—kitchen—utility areas; and the west wing being bedrooms and study. Although constructed as individual buildings about a

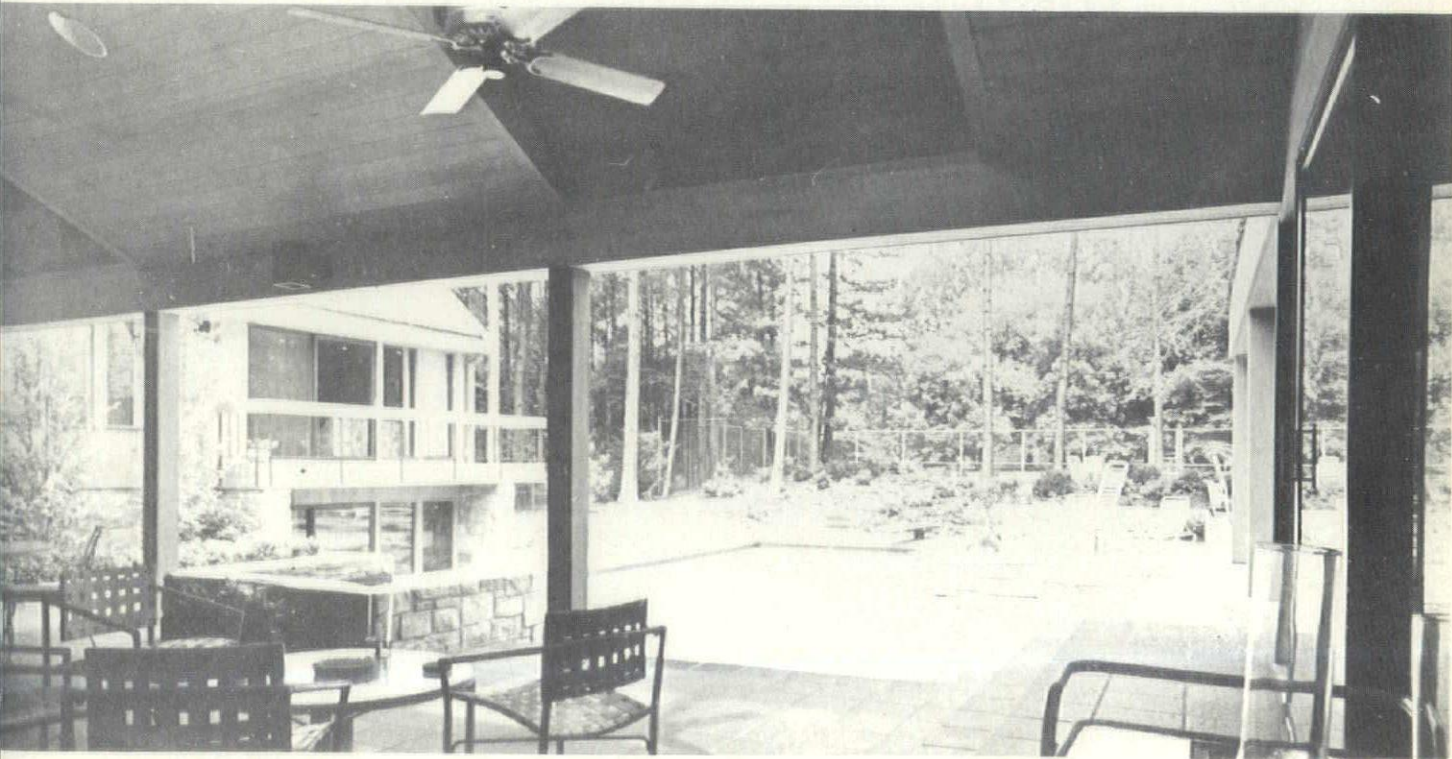
common focal point, the areas are connected on the interior by the hall and gallery which follows the perimeter of the pool. The resulting interior spaces are opened up by the generous use of skylights over the gallery and the lanai sitting area. On the exterior, the natural materials, stone and redwood, used at common heights, tie the three parts together. The stone is Pennsylvania "Golden" mica-schist, and the vertical siding is clear, all heart, vertical grain, California redwood which has been stained gray to control its natural weathering. The roof is a brown-gray textured concrete shingle to compliment the other two materials.

At the interior, mahogany wall and ceiling paneling above 8 feet — the common height of the stone and start of the redwood siding at the exterior — further reduce the scale of the spacious living areas and their high ceilings. The perimeter



hall or gallery is paved with rich brown Italian ceramic tile that visually separates the circulation area from the living areas and also accents the warmth of the mahogany trim and paneling.

The west wing steps down the sloping site half a story so that both levels still access the pool area and the roof remains common to the other wings. The east wing or kitchen area has an extra bedroom, bath, and storage area at its second level accommodating the typical 12/12 roof slope again to allow a common ridge line. The entry foyer, located between the living and dining areas, immediately orients the visitor to the pool area as well as the "public" spaces, and is itself accentuated by the stone walls which penetrate the interior at this point. The garage area allows a private, secondary entrance for the owners. The rectangular pool area is oriented



toward the lanai sitting area with the help of a water spill that extends under the overhang. Another raised terrace outside the breakfast area offers an optional eating space for the early morning meal.

The general contractor, Kayhoe Construction Corporation, of Richmond handled foundations, concrete work, carpentry and waterproofing. They subcontracted all the work locally and completed the house in eighteen months.

Subcontractors & Suppliers
(Richmond firms unless noted)

Eastern Sales Corp., Mechanicsville, excavating; Watkins Nurseries, Midlothian, landscaping; Robert W. Baughan Co., Mechanicsville, landscaping contractor, sodding, seeding, etc.; Commonwealth Paving Co., Ashland, paving contractor; Bowker & Roden, Inc., reinforcing; Lone Star Industries, Inc. and Massey Concrete, concrete suppliers; J. Carrington Burgess Masonry Contractor, Inc., masonry contractor & stonework contractor; Eastern Building Supply, masonry supplier; F. Graham Williams Co., Inc., Atlanta,

Ga. and Delaware Quarries, Lumberville, Pa., stone work suppliers; Welding Service Co., steel and miscellaneous metal; Greendale Ornamental Iron Works, Inc., handrails; Massey Builders Supply, structural wood; and, H. Beckstoffer's Sons, Inc., millwork, paneling & cabinets.

Also, E. S. Chappell & Son, Inc., caulking; N. W. Martin & Bros., Inc., built-up roof & roofing; Weiler Insulation Co., roof insulation & wall insulation; Binswanger Glass Co., Inc., glass & glazing contractor; Pella Virginia, Inc., windows; Pleasants Hardware, hardware supplier; F. Richard Wilton Jr., Inc., gypsum board contractor; General Tile & Marble Co., Inc., ceramic tile; Ace Tile & Floor Coverings, Inc., resilient tile; N. Chasen & Son, Inc., paint contractor/supplier/manufacturer, special wall finish & wall covering; JoPa Company, swimming pool; Noland Company, plumbing fixture supplier; Aireco-Voltz, Inc., plumbing contractor; James River Trane Air Conditioning Co., Inc., heating, ventilating & air conditioning contractor; Atlantic Electrical Supply, lighting fixture supplier; and, J. L. Parker Electric Co., electrical contractor.

WILLIAMS STEEL COMPANY, INC.

Steel Construction **Commercial - Industrial**

1020 Stanley Williams Road

Phone (919) 299-0451

GREENSBORO, NORTH CAROLINA

**FOR BRICK WITH LASTING BEAUTY
SELECT**

GENERAL SHALE BRICK

AVAILABLE IN A VAST VARIETY OF
COLORS, TEXTURES & SIZES

General Shale Products Corp., 2203 Lumkin Avenue, Richmond, Virginia
Telephone 804-232-4531

Warwick Air Conditioning, Inc.

Mechanical Contractors

St. Reg. #4006

606 Rotary Street

Phone (804) 826-5168

HAMPTON, VIRGINIA 23661

FOR THE RECORD

TWO VIRGINIANS NOMINATED FOR DIRECTOR SLOT ON NATIONAL AGC BOARD

In December of this year the Virginia Branch of the Associated General Contractors of America, Inc., will elect a Director to represent the State of Virginia on the Board of Directors of the National AGC. Two members have been nominated and will appear on the ballot to be mailed to the membership prior to December 1, 1975. These ballots must be returned to the National Office postmarked no later than December 31, 1975.

The two Nominees are:

Alexander Alexander

President Alexander Building Construction, Inc.

Richmond, Virginia

Past President Virginia Branch AGC — 1974

Graduate — Virginia Polytechnic Institute & State University
Building Construction

Married — Wife, Katherine; Daughter, Stacy; Son, Steve



N. David Kjellstrom

President Kjellstrom & Lee, Inc.

Richmond, Va.

Past President Virginia Branch AGC — 1971

Graduate — University of Virginia
Civil Engineering

Married — Wife, Edythe; Two Daughters, Page & Christine



Both men have served the Virginia Branch in many capacities and both have served on National AGC Committees. We urge all Regular Members of the Virginia Branch AGC to vote for the man of their choice. In the event you have not received a ballot please contact Jim Duckhardt, Executive Director, Virginia Branch AGC, P.O. Box 6775, Richmond, Virginia 23230, or call (804) 359-9288.

McPhatter & Son

JAMES E. MANSON—Owner

LATHING—PLASTERING

STUCCO

Patching & Repairing

Dial 838-7760

If no answer call 244-3570

407 Industry Drive
Hampton, Virginia 23361

Lowe & Nelson Plumbing & Heating Corp.

St. Reg. #4583

Phone 344-5834
1817 Salem Avenue
ROANOKE, VIRGINIA 24010

BARR CONSTRUCTION CO., INC.

Va. Reg. #5502

GENERAL BUILDING CONTRACTORS

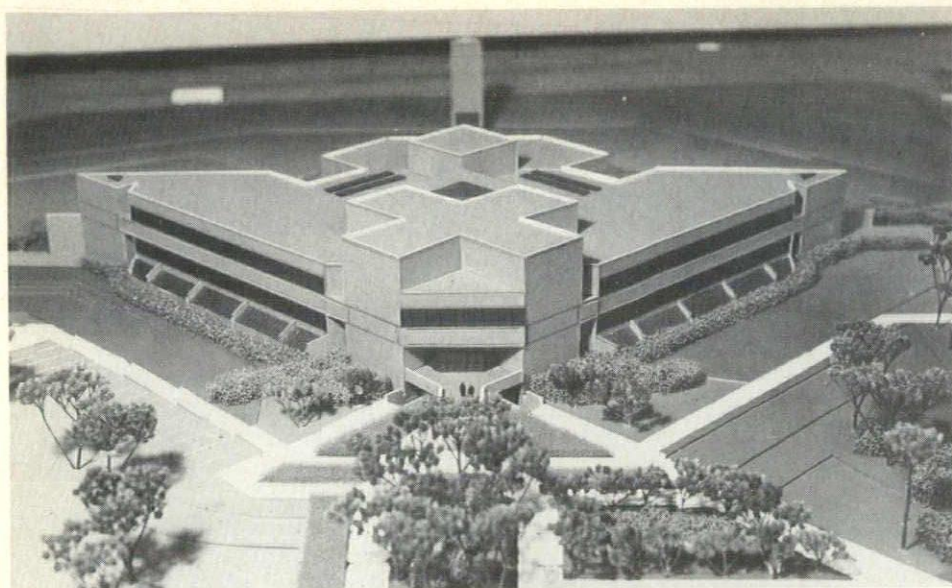
JACK
BARR



MARK
BARR

Phone 853-7601

2614 Wyoming Ave.
Norfolk, Virginia



Richmond Corporation's new corporate headquarters building is scheduled for completion in the fall of 1976. The three-level building features first and second floors of open office areas facing onto an atrium. The atrium is designed to provide a pleasant year-round working environment.

NEW CORPORATE HEADQUARTERS

• Richmond Corporation has announced plans for a new corporate headquarters building to be constructed at Brookfield, the company's office and hotel complex in Richmond's West End.

Warren M. Pace, president and chief executive officer of Richmond Corporation, said the structure will be located adjacent to the development's main entrance road on the southern corner of Brookfield. The building will face Broad Street Road.

DANAC Real Estate Investment Corporation, the Maryland-based affiliate of Richmond Corporation, is responsible for the development of the new headquarters structure. Donald N. Coupard & Associates of Rockville, Maryland, are architects for the building. The development and design of interiors will be the responsibility of Interspace Design Associates of Washington, D. C. Estimated construction cost for the building is \$4 million.

The headquarters for Richmond Corporation, owner of Brookfield, will serve as the theme building for the development. Other structures on the site in-

clude the home office building for The Life Insurance Company of Virginia, a Richmond Corporation affiliate, set for occupancy this fall; the five-story Brookfield office building; and the Richmond Hyatt House.

As viewed from the exterior, the Richmond Corporation building is a two-story structure. The first and second floors are basically open landscaped office areas facing onto an atrium. The atrium, which is an enclosed landscaped garden area, will offer a pleasant year-round working environment and is the connecting link that integrates the office areas with the executive area.

A below grade level will contain shipping and receiving, computer operations and other support functions. The building contains more than 105,000 square feet.

Visitor parking is adjacent to the front entrance, while employee parking will be inconspicuously situated on the periphery of the project site. The parking and exterior building landscaping will harmonize with the existing central park and exterior environment of the Brookfield site.

NEW INTERIOR DESIGN FIRM

• Edwin O. Meyer, Jr., ASID, and John L. Jacobsen, ASID, announce the formation of Interior Associates, Inc., with offices in Brookfield, Richmond, Virginia.

The co-principals of Interior Associates, Inc., state its experienced staff will have the capabilities of providing a full range of Interior Design Services, including program analysis, space planning, interior design development and procurement documents. Both are graduates of Virginia Commonwealth University in Interior Design and are professional members of the American Society of Interior Designers. Current projects include a 120-bed psychiatric hospital, an eight-story headquarters office building for a large corporate client, a men's clothing store, in addition to other projects.

Edwin O. Meyer, Jr., has worked in the Richmond area for an independent interior designer and has been involved with such commercial projects as medical facilities, hotels, law firms, and private offices.

John L. Jacobsen has worked with several architectural firms in the Virginia-Tidewater area on such projects as the multi-storied headquarter buildings of two prominent banks in Tidewater, a Cultural and Convention Center, public libraries, as well as other projects.

GLASS FOR EVERY PURPOSE

We Specialize in
Industrial - Commercial
Institutional
Glazing

—Dial—

919-383-1581

PRITCHARD
PAINT AND GLASS CO.

3172 Hillsboro Road
DURHAM, N. C. 27705



Left to Right: Keith Clark, Deputy Commissioner of Labor, State of North Carolina; John W. Thompson, Jr., Chairman of the Board and President, Thompson-Arthur Paving Company; Charles H. Shaw, Jr., Vice President, Thompson-Arthur Paving Company and Member of the North Carolina Safety Advisory Board.

T-A PAVING HONORED AGAIN

• On October 22, 1975, Thompson-Arthur Paving Company held its annual Fall Safety Barbecue, at which time the Company was honored by presentation of a Certificate of Special Recognition for 1,310,847 Employee Hours Worked without a disabling injury from August 18, 1973 through August 24, 1975. Presentation was made by Keith Clark, Deputy Commissioner of Labor, State of North Carolina.

State Police Speeding Arrests Far In Excess Of Last Year's

• Arrests by the State Police alone for speeding during the first nine months of 1975 numbered 169,325, well in excess of the 112,886 and 81,027 for the same periods of 1974 and 1973, Colonel H. W. Burgess, Superintendent of the Department, reported.

Colonel Burgess noted that the arrests were for all types of speeding violations and not only for those of the 55 miles per hour limit. However, he said that the great majority were and

that the new mobile radars, which can check the speed of an oncoming car, as well as the stationary radars, were in use during the entire period.

Arrests of commercial vehicle drivers during the period numbered 24,509.

Deaths for the nine months ran to 752, or 20 less than for the same months of 1974 and 189 below those of the same months of 1973. Traffic volumes through August were 2.5 percent above those of 1974.

Poetry Contest Offers \$1500 Prize

• A \$1500 grand prize will be awarded in the current Poetry Contest sponsored by World of Poetry, a monthly newsletter for poets.

Poems of all styles and on any subject are eligible to compete for the grand prize or for 49 other cash or merchandise awards. Second place is \$500.

According to contest director, Joseph Mellon, "We are encouraging poetic talent of every kind, and expect our contest to produce exciting discoveries."

Rules and official entry forms are available by writing to: World of Poetry, 801 Portola Dr., Dept. 211, San Francisco 94127.

RIDDLEBERGER BROTHERS, INC.

Mechanical Contractors

904 S. High St.

Phone 434-1731

Harrisonburg, Va. 22801

E. C. HOLLOWAY

W. F. WRENN

FRICK, VASS & STREET INCORPORATED

PAINTING AND DECORATING

INDUSTRIAL • COMMERCIAL

13 W. Clopton Street

Richmond, Va. 23225

Telephone 232-2161

St. Reg. #2812

AMERICAN FURNITURE & FIXTURE NAMES LEDFORD AND MANSUETI



T. SHELTON NIXON

T. SHELTON NIXON NAMED BY GRESHAM

• Gresham Metal Buildings Company, Inc., the authorized Armco Metal Building Systems dealer for Eastern Virginia and North Carolina since 1960, announces the appointment of T. Shelton Nixon as general manager effective September 2, 1975. Nixon, who managed the Armco Dealership from 1966 to 1973, returns to the Gresham firm after working in the plumbing and heating industry for the past two years while obtaining his Registered Master Plumbers license.

A Norfolk native, he studied engineering at VPI & SU and has worked in many phases of construction in the Tidewater area for the past 17 years. He will be responsible for the sales, promotion and development of complete building systems using the Armco Pre-Engineered Designs.

Active in civic organizations, Nixon is a past president of the Civitan Club of Norfolk, Inc., and currently serves as president of Tidewater Mended Hearts and Camp Civitan, Inc. He is a member of the Board of Directors of the Tidewater Heart Association and Mended Hearts, Inc.

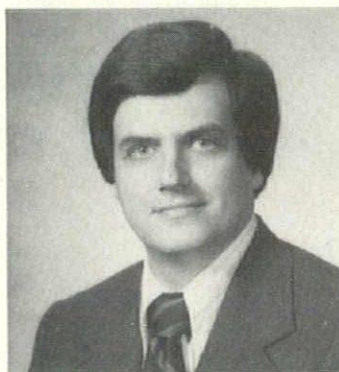
Tune & Toler Inc.

Plumbing, Heating
&
Electrical Contractors

MASONIC BUILDING PHONE 432-3821
Chatham, Va.

St. Reg. #7452

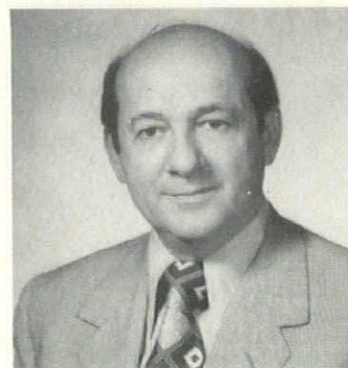
• American Furniture & Fixture Company, Inc., a Richmond based manufacturing firm specializing in Bank, Office and Store Interiors, has announced the election of Robert E. Ledford, Jr. and Albert E. Mansueti, A.S.I.D., to Vice Presidents — Sales.



Robert E. Ledford, Jr.

Ledford joined the firm in 1968 as an artist/designer and in 1971 became a sales representative handling projects in areas of Virginia, West Virginia, and Maryland. His election to Vice President — Sales is in recognition of his leadership in design and sale of the firm's products. He will continue to represent the firm as a specialist in its Bank and Financial Division. He is also responsible for the company's advertising program.

A native of Petersburg, Leford is a former art director and for a number of years specialized in architectural and interior illustration after studying commercial art and design at Richmond Professional Institute.



Albert E. Mansueti, A.S.I.D.

Mr. Mansueti has been in the Department of Design and Sales since 1964 where he worked in the firm's Bank and Financial Division. He is a graduate of the Maryland Institute, College of Art, and a Professional Member of the American Society of Interior Designers having recently served two terms as treasurer and on the board of governors.

His election to Vice President — Sales is in recognition of Mr. Mansueti's leadership in the Design and Sales Department. He will continue to represent the firm in areas of Virginia, Maryland, Pennsylvania, Tennessee, and West Virginia as a specialist in its Bank and Financial Division.

Your HEART FUND fights them all...

- Heart Attack
- Stroke
- High Blood Pressure
- Rheumatic Fever
- Inborn Heart Defects

Viking Electrical Contractors, Inc.

1851 Lawnsdale Avenue

SALEM, VIRGINIA

Galax Plumbing and Heating Co., Inc.

Plumbing and Heating Contractors

COMMERCIAL — RESIDENTIAL — INDUSTRIAL
KELVINATOR APPLIANCES

Phone (703) 236-6146

Route 89, Box 278

Galax, Va.

\$10 MILLION CAMPAIGN LAUNCHED AT COLLEGE

• Hampden-Sydney College officially began a \$10 million Bicentennial Capital Campaign at a reception and dinner, October 9, at the Country Club of Virginia in Richmond.

Attending were 350 alumni, wives, parents of students, and friends of the College. Master of Ceremonies for the evening was Mr. Henry H. McVey, III, a graduate of the Class of 1957 and a Richmond lawyer. College President W. Taylor Reveley delivered welcoming remarks and Mr. David Tork, vice president for college affairs, explained the purposes and timetable for the campaign.

Featured was the premiere showing of a multimedia presentation, *Heritage '76*, which was written, produced and directed by Mrs. Sandra Keys, director of communications at Hampden-Sydney. *Heritage '76* takes viewers through the colorful two hundred year

history of the College beginning with the founding on January 1, 1776, and pays tribute to the ideals of individual freedom and responsibility which have sustained the College and the Nation for the past 200 years. Charter members of the first Board of Trustees, Patrick Henry and James Madison, are honored and important events in the history of both the College and America are featured in the fast-paced presentation. In addition to celebrating Hampden-Sydney past and present *Heritage '76* looks forward to the College's third century of service.

Mr. Tork announced the establishment of the Third Century Society, which will recognize donors of \$100,000 during the years 1976-1980, or contributors of a bequest of \$150,000. Mr. S. Douglas Fleet, chairman of the Hampden-Sydney College Board of Trustees is the founding member of the

Third Century Society. The College seeks to enroll twelve members in the Society during its Bicentennial year.

Mr. Tork explained that the first phase of the campaign began in late 1974 with an effort to secure leadership gifts toward a goal of \$10 million by 1980. "To date gifts in excess of \$1,660,000 have been received. In addition to those gifts, The College has received pledges of more than \$400,000 which brings the total to more than \$2 million," announced Mr. Tork.

The funds received prior to 1975 have been used, in part, to provide a \$1 million addition to the College's library, which more than doubles the space of the original Eggleston Library and provides additional book shelving, student carrels, adequate microfiche and microfilm storage, and seminar rooms.

The second phase of the \$10 million dollar campaign calls for an intense effort to provide \$2 million during Hampden-Sydney's Bicentennial year for renovation and restoration of a historic multi-building complex which has



H. R. JOHNSON CONSTRUCTION CO., INC.

Specializing in Industrial, Commercial & Institutional Buildings

- BONDING AGENT AMERICAN COMMERCIAL INSURANCE AGENCY, CHARLOTTE, NORTH CAROLINA
- UNLIMITED GENERAL CONTRACTORS LICENSE IN NORTH CAROLINA, SOUTH CAROLINA & VIRGINIA

MRS. HAZEL STARNES
SECRETARY-TREASURER

H. R. JOHNSON
CHAIRMAN OF BOARD
AND
PRESIDENT

MAURICE ELLEDGE
EXEC. VICE PRESIDENT

704-289-4531

OLD WADESBORO RD.

MONROE, NORTH CAROLINA

served the College for 150 years. The immediate \$2 million campaign is being called the Heritage '76 Fund and includes the conversion into a student center of Graham Hall dormitory, the relocation of the Hampden-Sydney Museum and the establishment of the Hampden House Faculty/Alumni Club Complex. The Hampden House Complex will provide a place for faculty and alumni groups to meet and will in the future enable the College to host special institutes and workshops.

When completed the new student center will house the grill, post office, book store on the main floor and offices for the student government, newspaper, radio station on the second floor. The exterior of Graham Hall, which was constructed in 1833, will also be restored in keeping with the architectural integrity of the historic

structure.

Since its construction in the 19th Century, Graham Hall, like most of the older buildings at Hampden-Sydney, has served many purposes. Originally built as a home for President Johnathan Cushing, it served as a residence for the college presidents until early in this century. After this, it housed the alumni office and the 1916 addition was used as the gymnasium. Rival basketball players of that period sometimes still complain that Hampden-Sydney men had an unfair advantage in knowing exactly where to bank their shots on the exposed pipes in Graham Gym. The infirmary followed the gymnasium, while the older part was used as a dormitory, until the entire building was converted to a dormitory in the 1960's. By the end of Hampden-Sydney's Bicentennial year Graham Hall will see new service

as the center of student activities on campus.

Officials of the College are confident that these goals can be achieved. Hampden-Sydney College is unique among colleges in its approach to providing physical facilities which are adequate to meet changing needs. Instead of new buildings, the older buildings which are historic landmarks have been preserved and renovated to meet the needs of the 20th Century. Enrollment has been increased but not to the extent that the individual faculty/student relationship has decreased. Hampden-Sydney has remained true to the vision and ideals of its founders. The Bicentennial Campaign will enable the College to meet the challenges of its third century through the support of its loyal sons and friends.

L & J Plumbing & Heating & A. C., Inc.



WHITE STONE, VIRGINIA 22578

Phone 435-1989 or
435-3880

Bodner & Manuel, Inc.

ESTABLISHED 1937

St. Reg. 4269

Phone 622-7063 537 W. 21st Street
NORFOLK, VA. 23517

HEATWOLE TILE COMPANY

Tile Contractors

CERAMIC — RESILIENT — CARPET
VINYL FLOORS
Commercial—Industrial—Residential

Phone 434-2041
111 Pleasant Hill Road
Harrisonburg, Va. 22801

DOMINION BANKSHARES GETS FED APPROVAL FOR NEW BANK IN FREDERICKSBURG

• Dominion Bankshares Corporation has received approval of the Federal Reserve Bank of Richmond, acting pursuant to authority delegated by the Board of Governors of the Federal Reserve System, to acquire 100 percent of the voting shares, less directors' qualifying shares, of Dominion

National Bank of Fredericksburg.

The proposed new Dominion National Bank of Fredericksburg which has already received permission to organize from the Comptroller of the Currency, will be the twelfth member bank of the Roanoke-based bank holding company which had total assets of \$1.3 billion at June 30, 1975, and will bring Dominion's total banking and bank-related offices throughout Virginia to 109.

Plans call for the Dominion National Bank of Fredericksburg to be open for business around the end of this year. It will offer the Fredericksburg community a full complement of banking services enhanced by the many capabilities of Dominion Bankshares banking and bank-related affiliate statewide.

Barton & Ware

*Electrical & Mechanical
Contractors*

St. Reg. #6222

Phone 443-3030
Tappahannock, Virginia 22560

JAMES A. FORD CONSTRUCTION CO.

General Contractors

COMMERCIAL St. Reg. #6303 INDUSTRIAL

Phone 270-2843

Glen Allen, Va. 23060

DEUELL DECORATING COMPANY

*Painting Contractors
Commercial—Industrial*

143 Parkersville Rd.

NEWPORT NEWS, VIRGINIA

Phone 595-0991

Michael H. Fariss Joins Highfill-Smith Associates, Inc.

• Michael H. Fariss has joined the staff of Highfill-Smith Associates, Inc. A 1970 graduate in Building Construction at Virginia Polytechnic Institute and State University, Mike has extensive experience in construction estimating, coordination and supervision.

Mike's addition to the staff will enable Highfill-Smith Associates, Inc. to provide its clients a broader range of services. Mike will be active in the areas of project budgeting, estimating, con-

struction management, contracting on the owner's behalf, field supervision, and overall project management.

In other news the firm's president, C. Page Highfill, AIA, accepted an invitation to serve on a panel for a University of Wisconsin seminar recently held.

The four member panel explored innovative design techniques, management concepts, and production practices for architectural offices with seminar attendants from throughout the nation.

Smith Joins Wiley & Wilson

• Richard M. Smith, Jr. has joined the Client Relations Department of Wiley & Wilson, Inc., Virginia-based engineers, architects, and planners. He has been a District Engineer for the National Clay Pipe Institute since 1964.

A graduate of Virginia Military Institute with a bachelors degree in Civil Engineering, Smith has had broad experience in the construction and management field as superintendent with Raymond International, Landford Brothers Construction Co., and as engineer-estimator for Consumers/Dormin-Adams Roofing and Sheet Metal Co. of Lynchburg.

With Wiley & Wilson, Smith will be responsible for developing new clients primarily from Virginia counties, municipalities, and industries. The 200-man consulting firm also works for a variety of clients in many other parts of the United States as well as in Europe.

Smith is a member of the American Society of Civil Engineers, the Virginia Water Pollution Control Association, and the Virginia Plumbing Inspectors Association.

SNOW, JR. AND KING, INC.

Masonry Contractor

2415 Church Street
Phone 804-627-8621
NORFOLK, VA. 23504

ACE TILE & FLOOR COVERINGS, INC.

CERAMIC • NON-CERAMIC
RESILIENT • LINOLEUM
Residential — Commercial
Industrial

SHOWER DOORS—TUB ENCLOSURES

Call 282-6573

7219 W. Broad St. Richmond, Va.

NELSON & SMITH CO., INC.

Heating Contractors
Air Conditioning - Heating
Phone 804-487-2534

722 George Washington Hwy., North
Chesapeake, Virginia 23323

WEATHER CONDITIONERS INC.

Carrier

HEATING • AIR CONDITIONING • VENTILATION

Commercial, Industrial, Residential

Sales, Service, Design and Installation

3715 Mayflower Drive

Lynchburg, Virginia 24501

Phone 847-6614

Bryant-Durham Electric Company, Inc.

Electrical Contractors

Va. St. Reg. #9851

INDUSTRIAL — COMMERCIAL — INSTITUTIONAL — HOSPITALS

5102 Neal Rd.

Dial (919) 383-2526

DURHAM, N. C. 27705

no stained glass windows nor is there a pipe organ.

There is no traditional educational or Sunday School space. Instead, the traditional narthex has been enlarged to offer a space even in excess of the worship area and this space, called the "Commons," is enlarged by the insertion of a mezzanine floor. Thus, open space class and function arrangements, creating flexible configurations may be arranged to suit varying activities — be they instructional classes, meetings of groups

or study sessions. To accommodate social gatherings, a catering type pantry provides food service facilities.

This low budget complex employs structural steel frame, block interior walls and exterior wall spandrels. The exterior is covered in vertical rough sawn pine, stained a weathered grey finish. There is no visible roof and a design requirement was to maintain a domestic scale for the building in order that both in material, color, texture and scale, it would be harmonious with the adjacent residential environment.

To emphasize the recessed areas of the first floor, the siding has been installed on the diagonal. The roof is covered in hand split cedar shingles: all windows, fixed and operable, are steel with a baked on finish.

The interior with its combination of eight foot ceilings and higher two-story spaces in the living and dining areas has additional feeling of openness through the use of large window openings at the floor and clerestory levels. The walls are painted drywall with redwood trim. The ceiling of the living room as well as that of the screened porch is redwood and the floors a combination of random width oak and brick pavers.

The house, including the semi-finished basement shop and playroom but exclusive of screened porch and deck is slightly over 5,000 square feet.

Shirley Tate, of Hanover County, was general contractor and handled carpentry and structural wood.

Subcontractors & Suppliers
(Richmond firms unless noted)

Wesley J. Smart, Jr., Ashland, foundations & masonry contractor; T M S Builders Supply, millwork & cabinets; Allied Glass Corp., caulking, glass & glazing contractor; W. H. Stovall & Co., Inc., windows; Pleasants Hardware, hardware supplier; John DeGaetani, Inc. gypsum board contractor; L. H. Bourne Tile & Marble, Quinton, ceramic tile; Bullington Paint Co., paint supplier; Lewis Supply Co., Inc., plumbing fixture supplier; Gibbs Plumbing & Heating Co., plumbing contractor; James River Trane Air Conditioning Co., Inc., heating & air conditioning contractor; Hogan Electric Co., electrical contractor.

The owner handled excavating, waterproofing, roof & wall insulation, resilient tile and painting.

WESLEY J. SMART, JR.—MASONRY CONTRACTOR

Residential — Commercial — Institutional

Dial 798-6174

Route #3—Box 642-E

Ashland, Va. 23005

Patrick G. Nelson Construction, Inc.

MASONRY SPECIALIST

Phone 353-2390

2403 W. Main St.

Richmond, Virginia

A. D. STOWE, INC.

Plastering Contractor

COMMERCIAL — INDUSTRIAL

Phone 397-1842

2504 Detroit Street

PORTSMOUTH, VIRGINIA

**J. REX BURNER
CO., INC.**

Mechanical Contractors

St. Reg. #7158

Phone 743-5521

LURAY, VA. 22835

Anderson Sheet Metal Works, Inc.

Roofing Contractors

COMMERCIAL — INDUSTRIAL — RESIDENTIAL

Papermill Road
P. O. Box 843

St. Reg. #5496

Phone 662-2586
Winchester, Va.

CYCLE SYSTEMS

(From page 50)

architectural statement which is identifiable with the contemporary technologies which give impetus to Cycle System's accelerated growth.

Thus, developed the two major program objectives, a new visual identifier together with the functional improvements required for an efficient administration contemporary program.

Two avenues of development were given consideration in providing improved administrative quarters. First, consideration was given to complete removal of the existing administrative facility and, subsequently, the construction of a totally new facility. Second, consideration was given to renovation of the existing building. For reasons of logistics and operational continuity, it was decided to pursue a remodeling program. In addition to the remodeling, a new heavy-duty vehicular weighing scale was to be provided.

The existing facility occupied approximately 5,000 square feet of useable space. The remodeling program was divided into two phases, the rear portion of the building which housed the employee facilities and the front portion which contained the administrative activities. The employee facilities which included locker rooms, toilets and a lounge were completely refinished. The administrative area was redesigned to provide more efficient utilization of space and better circulation with emphasis on the pedestrian flow around the new scale facility. The administrative section also received a complete facelift.

A major problem existed in the condition of the exterior enclosure. This enclosure, constructed of concrete masonry units, had experienced severe settlement and sustained numerous cracks which posed a substantial air infiltration problem. In addition to infiltration, the wall system contained little or no insulation value. After extensive research, it was decided to utilize an exterior wall insulation and finish system manufactured by Dryvit System, Inc. A rigid panel of expanded polystyrene insulation board was ap-

Community Heating & Air Conditioning Company, Inc.

Route #2

Mechanical Contractors

Phone 266-5081

Glen Allen, Va.

STECKLEY PAINTING & DECORATING CO.

Phone 804/874-1344

512-B Muller Lane

Newport News, Virginia

GLISSON MASONRY CORPORATION

Phone 804-244-7703

5009 Jefferson Avenue

NEWPORT NEWS, VIRGINIA

POWERS FENCE CO. OF ROANOKE, INC.

St. Reg. #9728

FENCES & GUARD RAILS

See

THE CARPET SHOPS

FOR COMMERCIAL & INDUSTRIAL CARPET

Three Locations: Roanoke, Lynchburg & Radford

Endebrock-White Co., Inc.

General Contractors

St. Reg. #3676

Dial 247-6365

9296 Warwick Boulevard

NEWPORT NEWS, VA. 23601

plied to the surface of the concrete masonry units. In addition to the insulating value, the board also cured the infiltration problem and substantially absorbed the irregularities which had developed in the wall due to settlement. Prior to the application of this exterior system, certain portions of the existing wall were provided additional footing support to prohibit any additional settlement. After the board was in place, a treated fiberglass fabric was embedded in a special coating to prevent surface cracking. A plaster material mixed with Portland cement was then applied to the surface after which a synthetic plaster having high bond strength and permanent integral color was applied with a rough texture to provide the final jointless exterior surface.

A new canopy and entrance doorway system was added to the front and new circulation walks were developed to conveniently connect parking areas and the new scale facility with the new circulation patterns in and around the remodeled facility.

Mechanical and electrical systems throughout the facility were expanded

to meet the needs of the remodeling program.

Interior design was provided by the architect. Contemporary wall coverings and floor materials were used throughout. The office spaces are visually open throughout by the use of a window wall system. The flooring throughout is quarry tile.

Days Construction Co., Inc. of Salem was general contractor and handled foundations, concrete, masonry and carpentry.

Subcontractors & Suppliers

From Salem were: Marion Glass & Aluminum, window walls and glazing; Timber Truss Company, structural wood; Acoustical Services, Inc., acoustical and plaster; and, McClung's, millwork.

Others were: Feather Tile Company, Roanoke, ceramic tile; Skyline Paint & Hardware Co., Roanoke, steel doors & bucks and hardware; Johnston-Vest Electric Co., Roanoke, air conditioning, heating and ventilating; and, the owner handled painting, lighting fixtures, electrical work, plumbing fixtures and plumbing.

DAVIDSON COLLEGE LIBRARY

(From page 57)

wire tendons with forces varying from 42 kips to 140 kips.

H. R. Johnson Construction Co., Inc. of Monroe, N.C. was general contractor.

Subcontractors & Suppliers (All North Carolina Firms)

Firms from Charlotte were: Refabco, Inc., reinforcing; Holbrook Waterproofing Co., waterproofing; Stewart and Ramseur, Inc., roofing; Pritchard Paint and Glass Co., glass and glazing contractor; Crawford Door Sales Co., metal doors and frames; Cook and Boardman, hardware supplier; Interstate Tile & Marble Co., ceramic tile; Southern Flooring & Acoustical Co., resilient tile; Otis Elevator Co., elevator; and Mecklenburg Plumbing Co., plumbing contractor.

Others were: Phil Rucker, Shelby, excavating; Ray Construction Co., Salisbury, paving contractor; Gilbert Concrete Co., Mooresville, concrete contractor; Carolina Stone Setters, Morrisville, stonework contractor; Blanton and Moore, Inc., Barium Springs, millwork; Jack R. Maness Co., Denton, plaster contractor; Sharp Carter, Inc., Greensboro, carpet; Turner-Baxter, Inc., Concord, painting contractor and wall covering; Lorcl Plumbing and Heating Co., Albermarle, heating contractor; and, Steel Electric Co., Inc., Monroe, electrical contractor.

CONSUMERS/DORNIN-ADAMS, INC.

Est. 1861

ROOFING AND SHEET METAL CONTRACTORS

Phone 804/846-2761

P. O. Box 2058

Lynchburg, Va. 24501

2701 Norma St.



MURPHY & AMES, INC.

Lumber — Millwork Building Supplies

"Builders Wise Use Our Supplies"

Phone 703-533-3100

6908 N. Fairfax Drive

Arlington, Va. 22213

C. W. HANCOCK AND SONS, INC.

General Contractors

St. Reg. #3



Allied Arts Bldg.
LYNCHBURG, VIRGINIA

Too Much Too Soon

(From page 7)

Realistic Jake, recognizing that he was here dealing with an attitude, was too shrewd to expect legislation to change anything. What he and his friends wanted was for me to write about them, as one step in a long process of awakening whites to one of the deepest inequities suffered by colored people.

Yet, they complicated the purpose of me writing about them by incessantly pronouncing that "no white can ever know what the Negro thinks." To this, I naturally asked how could I write about them if no white man could understand what they thought. For this they had a ready answer: they would see to it that I would know more than any other white man and, hence, could come closer to what they thought.

During the years when we batted this back and forth, several of my Northern friends who were editors of national magazines wanted to talk to Big Jake and his group. The behavior of and the reaction to one of these editors, shortly after the war, made a lasting impression. This prominent man, whom I knew to be a flagrant social climber in the white world, intellectually was what later came to be called "a limousine liberal."

He and I and Big Jake met in a night-club behind a cigar-store front, where acts imported from New York were, for those days, somewhat "daring." The night club owner, whose family occupied a tastefully furnished house in what had recently been a white suburb, came to our table at intervals, as did others of Jake's friends. It turned out that the club-owner was appraising the editor before closing with him.

The editor's somewhat strained camaraderie did not entirely conceal a

ALLIED MASONRY COMPANY

310 N. Arch Rd.

Richmond, Virginia

Phone 804/272-8017

Acoustical Services, Inc.

Ceilings and Dry Wall

P. O. Box 963

Salem, Virginia

Phone 703-387-0241

Contract Tile Company, Inc.

LIGHT COMMERCIAL — RESIDENTIAL

Resilient Tile — Carpet

Phone 266-8273

RICHMOND, VA. 23228

6923 Lakeside Ave.

K & L PLUMBING & HEATING CO.

St. Reg. #10272

Plumbing Contractors

Commercial — Industrial

Phone 804-622-1837

3119 Beachmont Avenue, Norfolk, Va.

W. C. POWELL General Contractor

St. Reg. #9727

Residential

Route 1—Box 66

North Garden, Va. 22959

Phone 293-3980



FABRICATED METALS INDUSTRIES, INC.

P.O. BOX 8336 / ROANOKE, VIRGINIA 24014 / 703-774-4423

If it's made of metal,
chances are FMI can make it.
WRITE FOR FREE BROCHURE



**NEW
DIRECTIONS
FOR
FABRICATED
METALS**

patronizing undercurrent. He had probably been lulled into this by the antics of one of Jake's numbers writers. This fellow was truly black, with a gold-toothed smile and a golden-voiced laugh, and he referred to himself as "The Dark Gable." Once when I was in Hollywood, I sent him a picture postcard addressed only to: The Dark Gable, Second and Jackson, Richmond, Virginia. The next time I saw Jake in his headquarters' saloon, the card was propped up on the back of the bar. His clowning at our table, one might say, softened up the doctrinaire liberal for the kill.

This night club owner, a small bright-skinned man of late middle-age, was very smart, well traveled and skillfully aggressive in argument. In about half-an-hour he cut through all the pretenses of the social-climbing editor and revealed him to be the fake he was in relationship to colored people. That

night I saw the naked contempt of Negroes for the posturings of Northern liberals.

In the past decade, this contempt has become more open and widespread and is now generally recognized. But on that night about thirty years ago, I felt I was alone in realizing that colored people knew Northern liberals were not really their friends and that ultimately their hopes rested with Southern whites.

That post-war to early 1950s time is so different from the present as to seem (even to me, recalling it) an historic era. The first significant change was the 1954 Supreme Court decision on the desegregation of public schools. Some while after that, Big Jake apologetically informed me that future meetings on Second Street were impractical. He explained that the young Negroes were hostile to whites and were insulting to him for associating with whites, calling him an Uncle Tom or worse. I do not know that they were hostile; I am only recording what Jake Parker told me.

Parenthetically, as a matter of fact, there was no hint in Big Jake of the subservience implied by "Tomism." With white or black, he had a forthright, casual politeness and no one would ever have thought of him as "a second-class citizen." You thought of him as a *man*.

With Jake dead now nearly twenty years and his friends in that historic era also dead or old people, what I most remember from them is their hammering on the theme that the white would never know what the Negro was thinking. I should imagine that to be as true today as it was a quarter-of-a-century ago. In any event, I would not even guess at the attitudes of colored people in the dominant age groups, nor

what any blacks might feel toward whites, to the black-white relationships or about themselves.

Jake and his friends used to say sometimes, usually as with some secret humor, that colored people told whites what the whites wanted to hear. I should imagine that to be less generally true than it was in Jake Parker's day. In the rise of the black militants during the 1960s, their leaders seemed committed to telling the whites what the whites distinctly did not want to hear or with threatening to burn down the whites' houses. Yet, how much of the Negro population did they represent?

The Negro middle class, with its educated and well-to-do people, would have different goals and attitudes from the underprivileged poor; and, in fact, accusations have been made that some of the middle class blacks have effected accommodations to the white world that constituted disloyalty to their race. Certainly the behavior of middle class blacks in relation to whites bears no resemblance to that of the ignorant uneducated blacks.

The social behavior of those of the educated middle class (chiefly in the professions) with whom I've had some contact in the past few years is indistinguishable from that of whites of similar backgrounds. On the other hand, the interpersonal behavior of those ignorant and un-educated, placed by legal racial quotas in institutions in which they have contact with the white public, can be rude and hostile to the point of obliterating civility from the briefest exchange. Between these polar extremes are so many gradations up from the bottom (what Jake and his friends used to call "the last class") to

WILLIAMS PAVING CO., INC.

Dial 838-2292

2972 North Armistead Ave.
Hampton, Virginia 23366

GRAY LUMBER COMPANY

Trubark Pine-Mulch

One of the original Pine bark mulches endorsed by leading Landscape Architects, Landscape Contractors, Nurserymen and Garden Centers.

Phone 804-834-2292

WAVERLY, VIRGINIA

MASONRY CONTRACTORS, INC.

Masonry Contractors

COMMERCIAL — INDUSTRIAL — INSTITUTIONAL

Telephone 389-8616

P. O. Box 992

Salem, Virginia 24153

the top that, no possible black "attitude" could be assumed by anybody.

Yet, for the past twenty years, since the Supreme Court decision, countless studies presume to define black attitudes, hopes and goals. Most recently the studies, accompanied by polls, have been concerned with the blacks' opinion of school busing. The latest such poll I read found 9% of the black population in favor of school busing as opposed to 4% of whites favoring busing. Although we have no means of assessing which segments of the black population favor busing, I'm inclined to believe this poll more accurately reflects a current attitude among blacks, on this one specific subject, than did the studies of the past two decades.

Assuming this poll to be something approaching a fact, no one need presume to know the Negro mind — as did the sociological studies — in order to form an opinion on school busing. Since the purpose of busing was presumably to benefit Negroes, then manifestly busing has failed of its purpose.

Even the sociological studies, which dealt in abstracts, have proven to be incorrect in their predictions of the improvement brought in black I.Q. and achievement by enforced school integration through busing. Sociologist James Coleman, of the University of Chicago, who ten years ago was a conspicuous advocate of busing, has now concluded that the reactive flight of whites from the schools has to a large extent re-established segregated schools, where the black get blacker and the white get whiter.

Thus, the purpose of the 1954 Decision has been defeated by the

multiplicity of changed goals and plans which culminated in the lunacy of "racial balance." With the disruptions this has brought to educational systems and communities, it would be difficult to know now whether or not black children's educational advantages would have been enhanced by sitting in school rooms with white children, according to the 1954 Decision. What we do know is that the disruptions, of which busing is only one aspect, have not sufficiently benefitted blacks to justify continuation of these arbitrarily imposed rulings on our society.

In *The Morality of Consent*, posthumous essays of Alexander M. Bickel, the distinguished lawyer and Yale law professor made a point about the reverse discriminatory racial quotas in universities which might well apply to the whole thing. "Our energies ought to go into training and tutoring the disadvantaged and excluded, not in compromising and ruining, morally and practically, the society that has ruined them in the past." Liberals will doubtless take issue with this statement, but Professor Bickel is presenting the realities as they are happening — in schools, in colleges and graduate schools, in institutions and in communities.

Actions cannot make over the past for the Negro in America, as Big Jake Parker and his friends recognized, whether by the mistaken tactic of busing or the arbitrary quotas decided by agencies who are in no way affected by their orders. On the face of it, it is an absurdity in a democratic nation for some distant bureaucrat to order the governor of a sovereign state to recruit X more blacks for such-and-such and a

college to hire X more black professors.

Through the power wielded by the judiciary system and HEW, as we all know, we have long since passed beyond the simple purpose of the 1954 Supreme Court which, in striking down the legality of segregated schools, was to remove from black children feelings of inferiority caused by this separateness. Yet, without presuming to know the mind of blacks, feelings of inferiority must inevitably be caused by all this stress on their need to occupy some racial percentage with whites in order to benefit from their education. And I cannot imagine what feelings blacks must have at the whites fleeing before them, as from the plague, placing them in the undignified and ultimately losing position of chasing after people who shun them.

On the side of the whites, to explain what they are fleeing from would require volumes of more perspicacious

Sprinkle Masonry, Inc.

803 Industrial Ave.
Chesapeake, Virginia

Phone (804) 545-8435

Joe Rainero Tile Co.

TILE
TERRAZZO
MARBLE
CONTRACTORS

Piedmont and Rebecca

Phone 669-6632

BRISTOL, VA.

SINCE 1906

J. Roland Dashiell & Sons

— INCORPORATED —

GENERAL CONTRACTORS

VA. ST. REG. #5451

ROUTE NO. 13 NORTH • TELEPHONE: (301) 742-6151

SALISBURY • MARYLAND 21801



Boise Cascade

**Manufactured Housing Division
Eastern Operations**

Manufacturers of



Emporia, Virginia 23847

Newcomb Electric Service

St. Reg. #6255

Electrical Contractors

Dial 703-342-5498

3603 Shenandoah Ave., N.W.
Roanoke, Virginia 24017

H. A. Lucas & Sons, Inc.

St. Reg. #4948

General Contractor

5320 Williamson Rd.

ROANOKE, VA. 24012

Dial 703-366-3437

Lane Bros. Inc.

PRINTING

WALLCOVERING

408 West Broad St.

804-643-6658

RICHMOND, VA.

studies than we've yet had. But there is a simple explanation for the course their reaction took to violations of the principle of "the consent of the governed." Since the whites constitute the vast majority of the population, since they have the money and the access to wealth and power, they removed themselves from a situation into which they were coerced.

This omits all moral considerations, all of what TIME Magazine calls "the moral imperative" to integrate. The moral considerations are omitted because all history, especially recent, has shown that such manifestations of human behavior cannot be controlled by legislation. Ultimately, human beings do not behave as do the abstractions on sociologists' charts. Cliché though it is, the human element is unpredictable.

By now sufficient unrest among the whites, along with poor results for the blacks, has stirred the Senate and the House to experiment with various anti-busing amendments attached to bills concerning energy. In the apogee of weaseling, our representatives toy with modified anti-busing amendments on the grounds of saving gasoline. Just as this has nothing really to do with the reasons for halting the busing, a halt of busing leaves us nowhere in the solution of the general problem. Busing was an error in tactics. In changing tactics, the nation still faces the problem of integration and the restoration of order to the educational system.

In all the studies published on the whole subject, I've not seen a practical and humanistic plan for the future which both considered the consent of the governed and soundly based steady improvement for the education and the status of blacks. Though I certainly do not feel qualified to offer any such plan, I do think that school integration as we know it today cannot be depended upon to correct the scholastic failings in the disadvantaged blacks, and what it might achieve for their supposed feelings of inferiority is dubious.

However worthy the original purpose of the 1954 Decision, it must be faced now that all clarity of purpose has been lost where "racial balance" and quotas have pretty well wrecked the primary purpose of our schools and colleges, which was education. Somehow this primary function must be restored to the public schools, with a particular emphasis on scholastic help for disadvantaged blacks regardless of the racial balance of the schools they attend. Beyond that, for the boggier problem of integration it would seem that time is needed right now for the quieting of all upheavals, hostilities and resentments, and dislocations to the urban communities.

Although this last suggestion might seem to be begging the question, time is now needed because all the changes came too fast and with too many unelected authorities using too much power in too many different directions without any central control, or guiding principle or plan. It might seem unfortunate that such central guiding control must be assumed by Congress but, short of an unlikely presidential edict, this is all we have to look toward.

Right now, of course, the whole controversial issue is all involved with politics and political considerations. Yet, manifestly the nation cannot be allowed to stumble on with its deranged educational system and the Negro more of an abstract issue than a variety of human beings with their individual needs. It must be possible to evolve some sort of racially just educational system which will truly help the disadvantaged blacks without alienating the majority by senseless edicts that violate the principle of the consent of the governed.

Index to Advertisers

-A-

A A Builders of Va., Inc.	80
Able Equipment Co., Inc.	44
Ace Tile & Floor Coverings, Inc.	93
Acorn Construction Co. Ltd.	65
Acoustical Services Inc.	97
David G. Allen, Inc.	64
Allied Glass Corp.	48
Allied Masonry Co.	97
American Furniture & Fixture Co., Inc.	45
American Window Products, Inc.	83
Anderson Sheet Metal Works, Inc.	94
Arlie G. Andrews	10
Andrews Large & Whidden, Inc.	36
Architectural Woodwork Institute, Va. Chapter	23
Arlington Iron Works, Inc.	101
Arlington Woodworking & Lumber	61
R. W. Askew Nurseries, Inc.	49
Augusta Steel Corp.	55

-B-

Barr Construction Co., Inc.	87
Barton & Ware	92
Robert W. Baughan Co.	37
Bayshore Concrete Products Corp.	8
Binswanger Glass Co.	4
Bodner & Manuel, Inc.	92
Boise Cascade	100
Boschen Masonry, Inc.	64
W. M. Bowman, Inc.	65
Bristol Steel & Iron Works, Inc.	8
Brook Hill Construction Corp. of Va.	49
Bryant-Durham Electric Co., Inc.	93
Bryant's Iron Works	75
Bryant's Plumbing & Heating Corp.	55
J. Carrington Burgess	
Masonry Contractors, Inc.	51
J. Rex Burner Co., Inc.	94

-C-

C & P Air Conditioning Co., Inc.	82
C & P Telephone	6
J. E. Campbell Plumbing, Heating & Air Conditioning, Inc.	51
The Walter E. Campbell Co., Inc.	36
Capital Masonry Corp.	83
Cary Court Shopping Center	44
Catlett-Johnson Corp.	3
Cedar Roofs of Richmond, Inc.	41
Cedar Shake & Shingles	42
N. Chasen and Son, Inc.	51
Chesapeake Masonry Corp.	42
Chesapeake Partition, Inc.	40
Chevelle Enterprises, Ltd.	51
L. F. Chiselbrook, Inc.	75
G. L. Cline & Son, Inc.	61
Colonial Electric Co.	12
Community Heating & Air Conditioning Co., Inc.	95
Consumers/Dornin-Adams, Inc.	96
Contract Tile Co., Inc.	97
Cooper Electrical Construction Co.	42
Costen Floors, Inc.	101
J. W. Creech, Inc.	82
G. D. Crosby	75

-D-

Daniel Construction Co. of Va.	34
John W. Daniel & Co., Inc.	58
Danville Electric Co., Inc.	48
J. Roland Dashiell & Sons, Inc.	99
Davis & Spiers, Inc.	83
DeHart Tile, Inc.	83
Deuell Decorating Co.	92
R. L. Dixon, Inc.	36
R. L. Dresser, Inc.	44
Robert M. Dunville & Brothers, Inc.	30

-E-

Eastern Building Supply Co., Inc.	51
Economy Cast Stone Co.	80
Davis H. Elliot Co., Inc.	51
Endebrock-White Co., Inc.	95
P. E. Eubank & Co.	55
J. B. Eurell Co.	82
Exposaic Industries, Inc.	41

-F-

Fabricated Metals Industries, Inc.	97
Bill Fabry Reproduction & Supply Corp.	60
Falwell Excavating Co., Inc.	65
Robert H. Feagans Co., Inc.	18
Sam Finley, Inc.	4
Fischbach & Moore, Inc.	10
James A. Ford Construction Co.	92
Franklin Federal Savings & Loan Ass'n	3
Frick, Vass & Street, Inc.	89
Froehling & Robertson, Inc.	36
Frye Building Co.	40

-G-

Galax Plumbing & Heating Co., Inc.	90
General Shale Products Corp.	86
Georgia Marble Co.	104
The James Gibbons Co.	82
Glazed Products, Inc.	75
Glisson Masonry Corp.	95
Gray Lumber Co.	98
Greendale Ornamental Iron Co.	64
Gregory Construction Co., Inc.	48

-H-

H. M. S. Electric Corp.	36
W. R. Hall, Jr.	82
Hall-Hodges Co., Inc.	54
Hammond Masonry Corp.	54
Milton L. Hammond, Inc.	66
C. W. Hancock & Sons, Inc.	96
Harman Fur Farms	10
Heath Roofing Co., Inc.	64
L. C. Heath Roofing, Inc.	66
Heatwale Tile Co.	92
Herrin Bros. Erection Co., Inc.	61
Hesse & Hurt, Inc.	18
William Hottle	61
Howard Johnson's Motor Lodge	61

DAVID A. REED & SONS, INC.

Excavating & Foundations

St. Reg. # 6566

Phone 434-9909
560 Waterman Drive

P. O. Box 292
Harrisonburg, Va. 22801

COSTEN FLOORS, INC.

St. Reg. # 7013

*We Furnish
Install & Guarantee
Hardwood Floors*

- STRIP
- PARQUET
- GYMNASIUM &
- PORTABLE FLOORS

Call 804-264-2996
Telegraph Rd. & U.S. #1, North
Richmond, Va.

Q. M. TOMLINSON, INC.

St. Reg. # 274

General

COMMERCIAL



Contractors

INDUSTRIAL

Phone 703-345-0997

601 First Federal Bldg.

Roanoke, Va.

ARLINGTON IRON WORKS, INC.

"SINCE SERVICE COUNTS—COUNT ON US"

BAR JOISTS

BEAMS
ANGLES
CHANNELS



LONG SPANS

STEEL STAIRWAYS
WELDING SERVICE
COMPLETE ERECTION

FABRICATORS OF STRUCTURAL STEEL FOR EVERY BUILDING PURPOSE

9127 Euclid Avenue

P. O. Box 254

MANASSAS, VA.

Phone 703-631-9400

Metro-Washington 591-8770

L. J. Hoy, Inc.	42
W. F. Hoy	48
A. P. Hubbard Wholesale Lumber Corp.	12
Huffman Studios	12
Hughes Steel Co., Inc.	66

-I-

Immer & Co., Inc.	80
Ivey Welding Service, Inc.	58

-J-

JaBar Construction Co.	58
James River Building Supply Co.	42
James Steel Fabricators	44
H. R. Johnson Construction Co., Inc.	91
J. Lawson Jones Construction Co., Inc.	40
W. M. Jordan Co., Inc.	54

-K-

K & L Plumbing & Heating Co.	97
Kayhoe Construction Corp.	75
Kempsville Building Materials, Inc.	18
John G. Kolbe, Inc.	23
Krick Plumbing & Heating	44

-L-

L & J Plumbing & Heating & A. C., Inc.	92
Lane Bros.	100
C. H. Lawson, Inc.	61
R. E. Lee & Son, Inc.	34
S. Lewis Lionberger Co.	42
Lone Star Industries, Inc.	49
Lowe & Nelson Plumbing & Heating Corp.	87
H. A. Lucas & Sons, Inc.	100

-M-

E. M. Martin, Inc.	54
-------------------------	----

Masonry Contractors, Inc.	98
Martin Mathis Co.	60
Frank B. McAllister, Inc.	36
McLane Construction Co.	12
McPhatter & Son	87
Mid-State Tile	103
Miller Manufacturing Co.	18
Lawrence Mitchell	75
Modern Decorating, Inc.	44
Murphy & Ames, Inc.	96

-N-

Nationwide Homes	37
Natkin & Co.	66
W. Wallace Neale Co.	45
Patrick G. Nelson Construction, Inc.	94
Nelson & Smith Co., Inc.	93
Newcomb Electric Service	100
Northside Electric Co.	44
H. A. Nunn Construction Co., Inc.	60

-O-

Oliva & Lazzuri, Inc.	10
Owen Steel Co. of N. C., Inc.	26
Owen Plumbing & Heating, Inc.	75

-P-

P & W Electric Co., Inc.	64
B. F. Parrott & Co., Inc.	31
Payne Construction Co.	51
Peden Steel Co.	10
Perry Electric Co., Inc.	31
Petroleum Marketers, Inc.	80
Pleasants Hardware	31
Plywood & Plastics, Inc.	64
Pompei Inc.	58
Powell-McClellan Lumber Co., Inc.	37
W. C. Powell	97
Powers Fence Co. of Roanoke, Inc.	95
Precast Contractors, Inc.	12
Pritchard Paint & Glass Co.	88

-R-

RECO Constructors, Inc.	26
Joe Rainero Tile Co.	99
Ray's Plastering Contractor	51
Reames & Moyer, Inc.	49
Redford Brick Co., Inc.	66
David A. Reed & Sons, Inc.	101
Richmond Glass Shop, Inc.	61
Riddleberger Brothers, Inc.	89
Roanoke Iron & Bridge Works, Inc.	48

-S-

SDG Incorporated	42
Sanford Brick & Tile Co.	3
Schwarzenbach-Huber Co.	66
Bruce Scott Construction	61
Seaboard Paint & Supply Co.	11
Shaw Paint & Wallpaper Co., Inc.	82
Wesley J. Smart, Jr.-Masonry Contractor	94
C. B. Smith	51
L. C. Smith, Inc.	61
Leonard Smith Sheet Metal & Roofing, Inc.	83
Snow, Junior and King, Inc.	93
Oscar T. Sours Excavating Contractor	60
Southeastern Waterproofing Co., Inc.	102
Southern Brick & Supply Co., Inc.	2
Sprinkle Masonry, Inc.	99
Standard Iron & Steel Co., Inc.	18
Statesville Fixture Corp.	75
Steckley Painting & Decorating Co.	95
Stonnell-Satterwhite, Inc.	12
A. D. Stowe, Inc.	94
Structural Steel Co., Inc.	40
Superior Concrete, Inc.	40

-T-

TMS Millwork	44
Talley Neon & Advertising Co.	20
Terminix Co., Inc. (Norfolk, Va.)	1
Terminix Co. (Roanoke, Va.)	1
Terminix Engineers (Richmond, Va.)	1
Thompson-Arthur Paving Co.	58
Tidewater Steel Co., Inc.	64
Q. M. Tomlinson, Inc.	10
Tosalma Stone Quarry & Shrub Farm	30
Tristate Electrical Supply Co., Inc.	3
Tune & Toler, Inc.	90

-U-

Nick Ulisse Concrete Contractors	13
United Inc.	75

-V-

V. C. S. Plastering, Inc.	18
Valley Landscape Co., Inc.	34
Edward van Laer Inc.	82
Viking Electrical Contractors, Inc.	90
Virginia Marble Manufacturers, Inc.	82
Virginia Pilot Association	18

-W-

Warner Construction Co., Inc.	83
Warwick Air Conditioning, Inc.	86
Watkins Nurseries	3
Weather Conditioners, Inc.	93
Roy Wheeler Realty Co.	5
White & Yeatts Air Conditioning & Heating Co.	42
F. Graham Williams Co., Inc.	37
Williams Paving Co., Inc.	98
Williams Steel Co., Inc.	86
F. Richard Wilton Jr., Inc.	13
J. B. Wine & Son, Inc.	64
Winebarger Corp.	60

-Z-

Zonolite Div., W. R. Grace & Co.	30
---------------------------------------	----

Southeastern Waterproofing Company, Inc.

"A Heritage Of Quality Workmanship"

Specializing in:

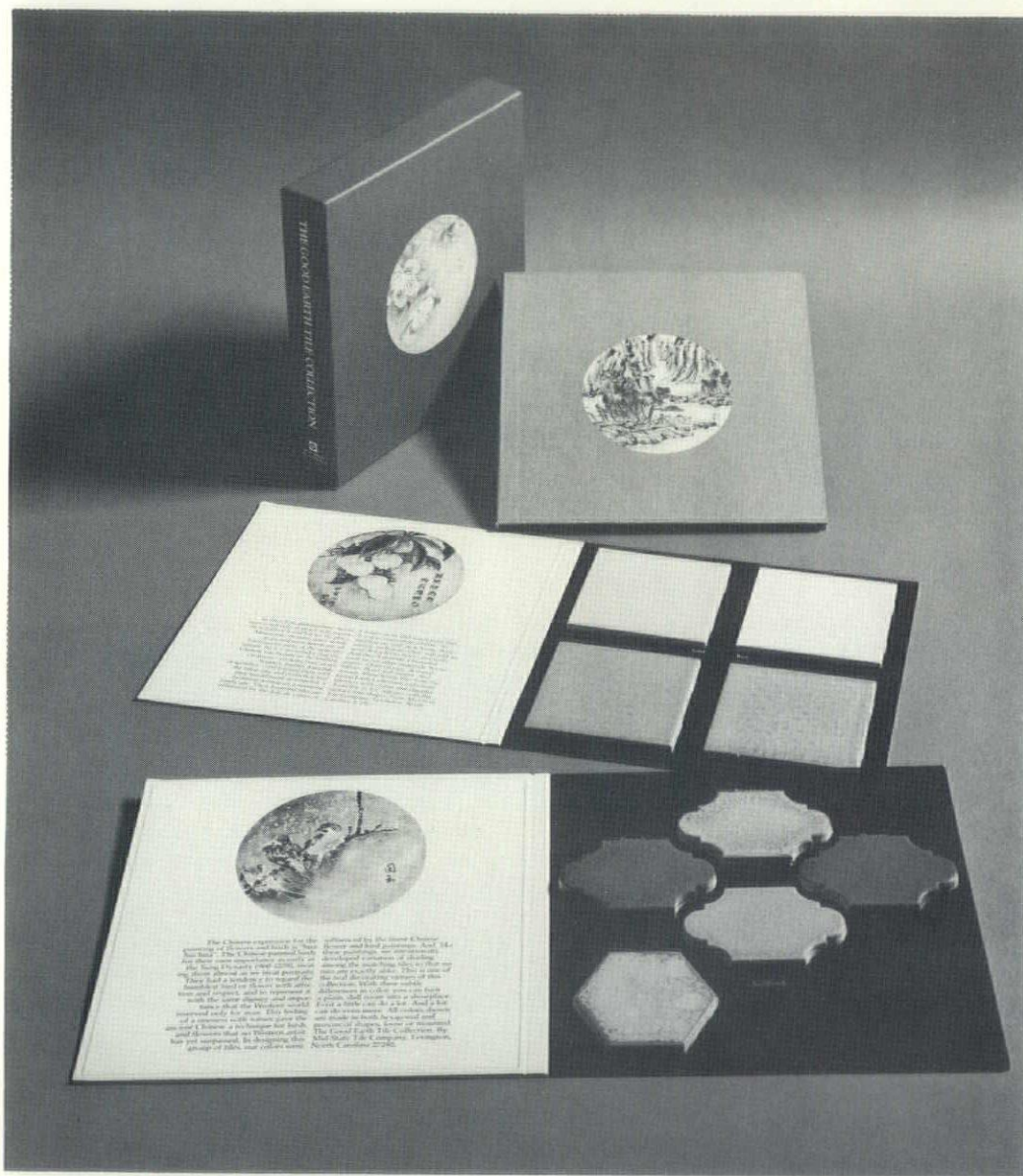
Restoration, Waterproofing,
Sand Blasting, Caulking,
Tuckpointing, Steam Cleaning,
Building Cleaning

Workmanship & Materials Guaranteed

Phone: (704) 377-6501 Box 17606

Charlotte, North Carolina 28211

THE GOOD EARTH TILE COLLECTION



For your professional sample of this new ceramic series, just send \$3.00 to P.O. Box 627, Lexington, North Carolina 27292.

 **MID-STATE TILE COMPANY**

Mr. Geo. E. Pettengill, LIB.
The Am. Inst. of Arch.
1735 New York Ave., NW
Washington, DC 20006

R

HEREIN LIES THE PERMANENT SOLUTION TO YOUR PARTITIONING PROBLEMS.

Georgia Crystalline Marble. The elegantly permanent material for washroom stalls, shower stalls, dressing room partitions, or any other compartmental partitioning your project requires.

Georgia Crystalline Marble is a hard, natural stone that will last as long as your building, with a lifetime of exceptionally low maintenance costs. It resists absorption of moisture, odors and contaminants. With its highly polished marble surface that resists scratches, stains and films, it's never a problem to keep sparkling clean. It never needs painting and, of course, it never rusts. So, in the long run, it's the most economical partitioning material available.

Marblstal[®] prefabricated compartments come complete with all the necessary hardware in first-quality chrome-plated brass. You

have a choice of two wooden doors—red oak or birch veneer. And the classic natural marble color blends beautifully with any decor.

Marblstal compartments are adaptable to industrial, commercial, recreational and institutional buildings. They can be specified either for buildings under construction or for remodeling projects.

Marblstal units are also available in a style accessible to and usable by the handicapped. These compartments feature out-swinging doors and grab bars on each side partition.

So specify prefabricated Marblstal, from The Georgia Marble Company. Or write us for more information.

Nothing else is so economical, so versatile, so beautiful.

And nothing else is so permanent.



MARBLSTAL[®] The Prefabricated Marble Compartment From The Georgia Marble Company.

THE GEORGIA MARBLE COMPANY

Structural Sales, 2575 Cumberland Pky., N.W., Atlanta, Ga. 30339 (404) 432-0131 a Jim Walter company